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ABSTRACT

A survey was administered to all 2,377 1976-77 graduates of the Hawaii community college system. General, academic, and employment information, as well as a general evaluation of the college experience were elicited and a 65% response rate was achieved. Analysis indicated: (1) 48% of the respondents were employed, 27% were enrolled in school and also employed, 13% were enrolled in school, and 5% were unemployed; (2) of those attending school, 50% were liberal arts majors, 69% were full-time students, and 59% were seeking Bachelor's degrees; (3) of those employed, 70% were working full-time, 34% felt their present job was the type in which they would probably make their career, 41% felt their jobs related to their major field of study, and 34% felt their jobs were not at all related to their major field of study; (4) in evaluating their college experience, 71% considered getting a degree as very important, 54% indicated they were very satisfied with the knowledge they had gained from major courses, and 48% indicated they were somewhat satisfied with the total experience at college. Data are analyzed for the community college total and for each of the seven colleges in the system. Extensive tables presenting the survey results and the survey instrument are appended. (LH)

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SURVEY OF 1976-77 GRADUATES

COMMUNITY COLLEGES

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Report No. 35

Student Flow Project

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February 1978

Office of the Chancellor for Community Colleges
Educational Services Division
University of Hawaii

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TABLE OF CONTENTS

Page

A. Introduction 1

1. The Questionnaire 1
2. Plan for Analysis 1
3. Organization of This Report 2

B. The Returns 2

C. Findings: Community College Total 4

1. Semesters to Complete Degree 4
2. Current Activities 5
3. Details: Attending School 6
4. Details: Employed 9
5. Evaluation of College Experience 12

D. Findings: Campus Highlights 22

1. Hawaii Community College 22
2. Honolulu Community College 29
3. Kapiolani Community College 37
4. Kauai Community College 45
5. Leeward Community College 52
6. Maui Community College 59
7. Windward Community College 66

E. Summary and Conclusion 72

1. Summary of Findings, by Campus 72
2. Comparison With 1975-76 Graduates 81
3. Concluding Comments 84

APPENDIX A The Questionnaire 87

B Tables: Community College Total, by Campus 91

C Evaluation of College Experience, by Campus 99

LIST OF TABLES

Page

1. Rates of Return, by Campus 2
2. Characteristics of Respondents and of Graduate Population 3
3. Number of Semesters to Complete Degree, by Program 4
4. Current Activities of Respondents, by Program 5
5. Dominant Characteristics of Respondents Attending School, by Program 7
6. Dominant Characteristics of Respondents Who Are Working, by Program, Nature of Work 10
7. Dominant Characteristics of Respondents Who Are Working, by Program, The Employers 10
8. Dominant Characteristics of Respondents Who Are Working, by Program, Job Relationships 11
9. Characteristics of Respondents and of Graduate Population, Hawaii Community College 22
10. Current Activities of Graduates, by Program, Hawaii Community College 23
11. Characteristics of Respondents and of Graduate Population, Honolulu Community College 29
12. Current Activities of Graduates, by Program, Honolulu Community College . 30
13. Characteristics of Respondents and of Graduate Population, Kapiolani Community College 37
14. Current Activities of Graduates, by Program, Kapiolani Community College 38
15. Characteristics of Respondents and of Graduate Population, Kauai Community College 45
16. Current Activities of Graduates, by Program, Kauai Community College 46
17. Characteristics of Respondents and of Graduate Population, Leeward Community College 52
18. Current Activities of Graduates, by Program, Leeward Community College .. 53
19. Characteristics of Respondents and of Graduate Population, Maui Community College 59
20. Current Activities of Graduates, by Program, Maui Community College 60
21. Characteristics of Respondents and of Graduate Population, Windward Community College 66
22. Current Activities of Graduates, by Program, Windward Community College . 67

LIST OF TABLES (Cont.)

Page

23. Helpfulness of Campus in Reaching Goals, by Campus 76

24. Evaluation of College Experience, by Campus 78

25. Evaluation of College Services, by Campus 80

LIST OF FIGURES

1. Helpfulness of Campus in Attaining Student Goals, Community College Total 13

2. Evaluation of College Experience, Community College Total 14

3. Evaluation of College Services, Community College Total 15

A. Introduction

A survey of all 1976-77 graduates of the University of Hawaii (10 campuses including 7 community colleges) was conducted by the Office of the Director of Finance with the assistance of campus personnel and the educational support unit of the community college system. This is the second survey of all University of Hawaii graduates. (See Report No. 22 for results on the 1975-76 community college graduates.)

1. The Questionnaire

The questionnaire (Appendix A) is divided into several parts:

- —General Information (questions on semesters attended and current activities)
- —Academic Information (questions on full-/part-time status, current school, degree objective, major field)
- —Employment Information (questions on full-/part-time status, occupation, current employer, employment location, length of employment, annual earnings, primary source for information about the job, job/career relationship, job/study relationship)
- —General Evaluation of College Experience (campus helpfulness in attaining each of 13 goals, student satisfaction regarding 9 areas, student satisfaction regarding 22 campus services)

Questionnaires were sent to 1976-77 graduates in September 1977. In December 1977, a computer file was created to combine the responses from community college graduates and data from the University's student information system.

2. Plan for Analysis

Surveys of community college graduates administered soon after graduation have usually had high rates of return in Hawaii. We expect a return rate of at least (a) 60 percent for the community college total and (b) 50 percent for each campus.

We plan to analyze our data as follows:

a. Representativeness: We will compare respondents and non-respondents on the following six characteristics--sex, age at the end of 1977, program, degree, cumulative grade point average and campus. (These characteristics were used in testing the representativeness of respondents to the 1975-76 survey of graduates.)

b. Responses to each item for the community college total will be analyzed in terms of program.

c. Responses to each item for each community college will be analyzed in terms of program.

Statistical tests of significance will be applied by using the Statistical Package for the Social Sciences (SPSS).

3. Organization of This Report

This report presents the responses of 1976-77 community college graduates to the University's Alumni Survey. Major findings for the community college total, by program, are discussed, and data, by campus, are included in Appendices B and C. Highlights for each campus are also presented, and detailed data, though not included, will be sent to the Dean of Students for each campus. A summary of findings and some conclusions are found in the final section of this report, and comparisons of these results with the responses of 1975-76 graduates are made.

B. The Returns

Data on the percentage of returns for each campus are shown in Table 1. Of the 2,377 community college graduates in 1976-77, there were 1,535 respondents (65 percent). Campuses with higher rates of return were Windward (80 percent), Leeward (71 percent) and Kauai (67 percent); Kapiolani had the lowest rate (59 percent). *Campuses differed significantly in their rates of return.*

TABLE 1
RATES OF RETURN, BY CAMPUS
1976-77 GRADUATES

```
                  COUNT   I
                  ROW PCT INON-RESP RESPONDE    ROW
                          IONDENT   NT          TOTAL
                          I     0   I     1   I
CAMP             --------I---------I---------I
                       1  I   130   I   214   I    344
  HAWAII C C              I  37.8   I  62.2   I   14.5
                         -I---------I---------I
                       2  I   167   I   281   I    448
  HONOLULU C C            I  37.3   I  62.7   I   18.8
                         -I---------I---------I
                       3  I   261   I   376   I    637
  KAPIOLANI C C           I  41.0   I  59.0   I   26.8
                         -I---------I---------I
                       4  I    46   I    92   I    138
  KAUAI C C               I  33.3   I  66.7   I    5.8
                         -I---------I---------I
                       5  I   166   I   414   I    580
  LEEWARD C C             I  28.6   I  71.4   I   24.4
                         -I---------I---------I
                       6  I    57   I    99   I    156
  MAUI C C                I  36.5   I  63.5   I    6.6
                         -I---------I---------I
                       7  I    15   I    59   I     74
  WINDWARD C C            I  20.3   I  79.7   I    3.1
                         -I---------I---------I
                   COLUMN     842      1535       2377
                   TOTAL     35.4      64.6      100.0

RAW CHI SQUARE =   29.60268 WITH   6 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
```

Data on representativeness (characteristics of the respondents and of graduate population) are presented in Table 2. Of the 2,377 who graduated there were:

- --slightly more females than males
- --802 (34%) who were 20-21 years old at the end of 1977
- --concentrations in three programs: 656, business; 650, liberal arts; 543, technology
- --preferences for Associate degrees: 1,140 A.S. and 654 A.A.
- --1,385 with cumulative grade point averages of 3.0 and above
- --637 from Kapiolani, 580 from Leeward and 448 from Honolulu.

TABLE 2
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77 GRADUATES

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristics[a]	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	1,535	*100.0*	2,377	*100.0*
Sex				
Female	795	*51.8*	1,207	*50.8*
Male	739	*48.1*	1,169	*49.2*
Age***				
Below 20	20	*1.3*	39	*1.6*
20-21	573	*37.3*	802	*33.7*
22-24	362	*23.6*	603	*25.4*
25-29	237	*15.4*	406	*17.1*
Over 29	330	*21.5*	502	*21.1*
Program***				
Liberal Arts	449	*29.3*	650	*27.3*
Business	443	*28.9*	656	*27.6*
Health Services	150	*9.8*	267	*11.2*
Hotel/Food Services	42	*2.7*	81	*3.4*
Public Services	105	*6.8*	178	*7.5*
Technology	345	*22.5*	543	*22.8*
Other	1	*0.1*	2	*0.1*
Degree***				
Certificate of Completion	70	*4.6*	119	*5.0*
Certificate of Achievement	263	*17.1*	462	*19.4*
Associate of Science	749	*48.8*	1,140	*48.0*
Associate of Arts	452	*29.5*	654	*27.5*
None (Unclassified students)	1	*0.1*	2	*0.1*
Grade Point Average**				
3.5 and above	428	*27.9*	609	*25.6*
3.0-3.4	493	*32.1*	776	*32.6*
2.0-2.9	580	*37.8*	927	*39.0*
Below 2.0	34	*2.2*	65	*2.7*
Campus***				
Hawaii CC	214	*13.9*	344	*14.5*
Honolulu CC	281	*18.3*	448	*18.8*
Kapiolani CC	376	*24.5*	637	*26.8*
Kauai CC	92	*6.0*	138	*5.8*
Leeward CC	414	*27.0*	580	*24.4*
Maui CC	99	*6.5*	156	*6.6*
Windward CC	59	*3.8*	74	*3.1*

[a] Sum of the parts may not equal the total because "no data" is excluded: respondents, sex (1), age (13); for graduate population, sex (1), age (25).

We found higher proportions of the following groups among respondents to the survey than in the graduate population:

- --students 20-21 years old at the end of 1977
- --students who majored in liberal arts and business
- --students who earned A.S. degrees or A.A. degrees
- --students with cumulative grade point averages of 3.5 and above
- --students who graduated from Leeward and Windward.

On the above characteristics--age, program, degree, cumulative grade point average and campus--there were statistically significant differences between respondents and non-respondents to the Alumni Survey.

C. Findings: Community College Total

1. Semesters to Complete Degree

There were statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. The great majority of graduates took either 3-4 semesters (40 percent) or 5-6 semesters (34 percent) to complete their degrees. It is interesting to note that 53 percent of health services graduates completed their degrees in 1-2 semesters. (Table 3)

TABLE 3
NUMBER OF SEMESTERS TO COMPLETE DEGREE, BY PROGRAM
1976-77 GRADUATES

```
              COUNT  I
            ROW PCT  I1 -- 2   3 -- 4   5 -- 6   7 -- 8   MORE       ROW
                     I                                    THAN 8     TOTAL
                     I      1 I      2 I      3 I      4 I      5 I
MAJGRP       --------I--------I--------I--------I--------I--------I
                  60 I     24 I    134 I    198 I     63 I     27 I     446
   LIBERAL ARTS      I    5.4 I   30.0 I   44.4 I   14.1 I    6.1 I    29.3
                    -I--------I--------I--------I--------I--------I
                  62 I     56 I    191 I    143 I     40 I     10 I     440
   BUSINESS          I   12.7 I   43.4 I   32.5 I    9.1 I    2.3 I    28.9
                    -I--------I--------I--------I--------I--------I
                  64 I     78 I     43 I     21 I      1 I      3 I     146
   HEALTH  SERVICES  I   53.4 I   29.5 I   14.4 I    0.7 I    2.1 I     9.6
                    -I--------I--------I--------I--------I--------I
                  66 I      5 I     22 I     13 I      1 I      0 I      41
   HOTEL & FOOD SVS  I   12.2 I   53.7 I   31.7 I    2.4 I    0.0 I     2.7
                    -I--------I--------I--------I--------I--------I
                  72 I      2 I     48 I     36 I     11 I      7 I     104
   PUBLIC  SERVICES  I    1.9 I   46.2 I   34.6 I   10.6 I    6.7 I     6.8
                    -I--------I--------I--------I--------I--------I
                  74 I     46 I    171 I    108 I     12 I      5 I     342
   TECHNOLOGY        I   13.5 I   50.0 I   31.6 I    3.5 I    1.5 I    22.5
                    -I--------I--------I--------I--------I--------I
                  79 I      0 I      1 I      0 I      0 I      0 I       1
   OTHER             I    0.0 I  100.0 I    0.0 I    0.0 I    0.0 I     0.1
                    -I--------I--------I--------I--------I--------I
             COLUMN       211      610      519      128       52      1520
              TOTAL      13.9     40.1     34.1      8.4      3.4     100.0

RAW CHI SQUARE =   319.73828 WITH   24 DEGREES OF FREEDOM,  SIGNIFICANCE =  0.0000

NUMBER OF MISSING OBSERVATIONS =     15
```

Over four-fifths of the graduates (84 percent) completed their degrees without a break in attendance. This rate was exceeded by graduates (88 percent) in health services and hotel/food services.

2. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 485 (32 percent) checked more than one activity. The most common activities are:

730 48% Employed (628 or 41 percent are employed full-time)
410 27% Enrolled in school and employed
196 13% Enrolled in school (178 or 12 percent are enrolled full-time).

There are 82 (5 percent) respondents who are unemployed and looking for work; the remaining 115 are engaged in other activities.

The data in Table 4 indicate that:

a. Liberal arts graduates have the highest proportion (1) enrolled in school (26 percent) and (2) enrolled in school and employed (42 percent).

b. Graduates in health services (72 percent), business (62 percent) and technology (54 percent) have the highest proportion employed.

c. Among the 82 unemployed students looking for work are 34 business and 19 technology graduates.

TABLE 4
CURRENT ACTIVITIES OF RESPONDENTS, BY PROGRAM
1976-77 GRADUATES

COUNT ROW PCT	EMPLOYED FULLTIME 1	IN SCH FULLTIME 2	EMPLOYED PARTTIME 3	IN SCH PARTTIME 4	ACTIVE MILITARY 5	UNEMPL-- NOT LOOK 6	UNEMPL-- LOOKING 7	OTHER 8	IN SCH & WORKING 9	OTHER ADULT RES 10	ROW TOTAL
MAJGRP											
LIBERAL ARTS 60	74 16.5	106 23.6	16 3.6	9 2.0	1 0.2	9 2.0	15 3.3	0 0.0	188 41.9	31 6.9	449 29.3
BUSINESS 62	242 54.6	24 5.4	33 7.4	2 0.5	0 0.0	12 2.7	34 7.7	0 0.0	72 16.3	24 5.4	443 28.9
HEALTH SERVICES 64	95 63.3	5 3.3	13 8.7	0 0.0	0 0.0	10 6.7	11 7.3	1 0.7	13 8.7	2 1.3	150 9.8
HOTEL & FOOD SVS 66	18 42.9	2 4.8	4 9.5	4 9.5	0 0.0	1 2.4	1 2.4	0 0.0	11 26.2	1 2.4	42 2.7
PUBLIC SERVICES 72	43 41.0	7 6.7	6 5.7	0 0.0	0 0.0	3 2.9	2 1.9	0 0.0	39 37.1	5 4.8	105 6.8
TECHNOLOGY 74	156 45.5	34 9.9	30 8.7	3 0.9	0 0.0	3 0.9	19 5.5	0 0.0	86 25.1	12 3.5	343 22.4
OTHER 79	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	1 100.0	0 0.0	1 0.1
COLUMN TOTAL	628 41.0	178 11.6	102 6.7	18 1.2	1 0.1	38 2.5	82 5.3	1 0.1	410 26.7	75 4.9	1533 100.0

RAW CHI SQUARE = 365.80884 WITH 54 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 2

3. Details: Attending School

Data in Table 4 indicate that 178 graduates are attending school full-time as their sole activity; 18, part-time and 410 are combining school and work. The total in school is 606. In addition, some students who are categorized under "other multiple responses" are also in school. Our tables on graduates attending school indicate varying totals of responses but there are as many as 647, so 41 graduates are attending school as well as being engaged in some other activity (other than working). Percentages are based on the number who responded to a particular item.

The following characteristics are dominant for the total group of graduates currently attending school:

- --50% were liberal arts majors (326). (There were 131 technology and 106 business graduates, and the remaining were in other fields.)
- --69% are now full-time students[1]
- --39% are now attending UH at Manoa (43%, 273 graduates, are attending community colleges; 25, Hilo College; 24, West Oahu. The remaining graduates are in other Hawaii and Mainland institutions.)
- --59% are seeking Bachelor's degrees (15%, Associate of Science)
- --14% each are majoring in social sciences and in technology; 13% are majoring in business; 8%, humanities.

There were statistically significant differences, by program, on full-/part-time status and current educational objective.[2]

Table 5 includes details on graduates who are currently in college, by program. To summarize:

a. A majority of graduates from all programs are now full-time students with liberal arts graduates having the highest proportion (74 percent).

b. UH Manoa is the current school for at least a plurality of graduates from liberal arts (61 percent), health services (31 percent) and public services (28 percent). The community colleges attracted graduates from business, hotel/food services and technology programs. One-half of currently-enrolled technology graduates are attending Honolulu Community College.

c. The Bachelor's degree is the educational objective for a plurality of the graduates from liberal arts (81 percent), public services (72 percent), health services (50 percent), business (35 percent), and hotel/food services (35 percent). Technology (30 percent) graduates are interested in obtaining Associate of Science degrees.

---

[1] Report No. 22 of the Student Flow Project inadvertently indicated that 65 percent of 1975-76 graduates in school were part-time students. This should have been "full-time students."

[2] Results of chi-square analysis on current school and current major are disregarded because many cells are zero.

d. As expected, there is a wide diversity in current majors. However, many graduates from business, health services, hotel/food services and technology programs are retaining similar program areas this semester.

TABLE 5
DOMINANT CHARACTERISTICS OF RESPONDENTS ATTENDING SCHOOL, BY PROGRAM[a]
1976-77 GRADUATES

Program	Full-/Part-Time	Current School	Educational Objective	Current Major
TOTAL	80% (513) full-time	39% (251) UH Manoa	59% (382) Bachelor's	14% (85) social sciences[c] 14% (82) technology[b]
Liberal Arts	74% (242) full-time	61% (199) UH Manoa	81% (264) Bachelor's	21% (66) social sciences[c]
Business	56% (59) full-time	21% (21) Leeward	35% (36) Bachelor's	27% (28) business[b] 15% (14) business admin.[c]
Health Svcs.	61% (11) full-time	83% (15) UH Manoa	60% (11) Bachelor's	31% (5) nursing[c] 31% (5) health services[b]
Hotel/Food Svcs.	59% (10) full-time	24% (4) Honolulu 24% (4) Kapiolani 24% (4) Leeward	35% (6) Bachelor's 29% (5) Certificate	18% (3) hotel/food svcs.[b]
Public Services	63% (30) full-time	28% (13) UH Manoa	72% (34) Bachelor's	26% (12) social sciences[c] 22% (10) education[c]
Technology	70% (91) full-time	50% (65) Honolulu	30% (39) Assoc. of Science	56% (65) technology[b]

[a] Does not consider "other" (1).

[b] These are majors in community colleges.

[c] These are majors in four-year institutions.

Of the 273 graduates currently attending community colleges, 233 or 85 percent returned to their alma mater:

Current Campus	No. of Graduates Currently Enrolled	Alumni Attending Alma Mater
Honolulu CC	96	78
Leeward CC	67	62
Hawaii CC	33	32
Kapiolani CC	30	18
Kauai CC	22	20
Maui CC	17	16
Windward CC	8	7

An analysis of graduates currently attending community colleges showed the following results:

a. Relationship between earned degree and current educational objective: Data were available for 269 graduates. About a third (87) are seeking Associate of Science degrees, and 35 of these graduates earned A.S. degrees in 1976-77. There are 71 seeking Bachelor's degrees.

Earned Degree	Total	Current Educational Objective						
		None	Cert. of Achievement	Assoc. of Arts	Assoc. of Science	Bachelor's	Doctorate	Other
TOTAL	269	32	36	37	87	71	1	5
Certificate of Completion	20		6	5	8	1		
Certificate of Achievement	47	2	12	9	22	2		
Associate of Science	135	26	15	17	35	37		5
Associate of Arts	67	4	3	6	22	31	1	

b. Relationship between previous and current major: There were 248 graduates for whom data were available. At least half of the students with the following previous majors are continuing in the same program area: health services (4 out of 7) and technology (62 out of 95).

Current Major	TOTAL	Previous Major					
		Liberal Arts	Business	Health Svcs.	Hotel/Food Svcs.	Public Svcs.	Technology
TOTAL	248	62	56	7	10	18	95
Four-Year Programs	66	32	9	2	5	7	11
Liberal Arts	23	16	1		2		4
Business Adm.	14	5	5		1		3
Other	29	11	3	2	2	7	4
Two-Year Programs	182	30	47	5	5	11	84
Liberal Arts	21	4	5			4	8
Business	33	9	20			3	1
Health Svcs.	9	2	2	4	1		
Hotel/Food Svcs.	7	1	2	1	3		
Public Svcs.	13	4	1			2	6
Technology	74	6	5			1	62
Other	25	4	12		1	1	7

4. Details: Employed

As many as 1,168 graduates are working: 628 are working full-time as their sole activity; 102, part-time; 410 are working and attending school and the remaining 28 are working and engaged in some other activity (other than schooling). Graduates who are employed were asked to respond to ten questions dealing with various aspects of their employment. Totals vary from 1,119 to 1,168, and percentages are based on the number responding to a particular item. Some details, by program, are presented in Tables 6, 7 and 8.

The dominant characteristics of respondents who are employed are:

--30% were business majors (347). Two other majors were common: 24%, liberal arts (278); 24%, technology (272).

--70% are working full-time; especially graduates in health services (81 percent).

--38% are in clerical/sales occupations and 30% in service occupations. (There were 112 respondents in professional/technical/managerial work.)

--full-time only: 21% have annual incomes of $6,000-$7,499; 20% each, $7,500-$9,999 and $3,000-$5,999.

--51% have been employed in their present positions for less than one year; especially graduates in health services (70 percent).

--54% are working for private industry; especially graduates in technology (68 percent).

--69% are working on Oahu; especially graduates in hotel/food services (82 percent).

--28% learned of their jobs through personal applications to employers; 25% through referrals from friends and relatives.

--34% feel that their present jobs are the type in which they will probably make their career; 26% feel "definitely will" make their career.

--41% feel their job is related to their major field of study; 34%,"not at all related". Of the latter group, 52% did not look for a job related to their major field of study.

There were statistically significant differences, by program, on the following items: full-/part-time status, length of employment, job/career relationship and job/major relatedness.[3]

---

[3] Results of chi-square analysis on occupation, annual income, employer classification and employment location are disregarded because many cells are 0.

TABLE 6
DOMINANT CHARACTERISTICS OF RESPONDENTS WHO ARE WORKING, BY PROGRAM[a]
NATURE OF WORK
1976-77 GRADUATES

Program	Full-/Part-Time	Occupation[b]	Full-Time Only[c] Annual Income	Length of Employment
TOTAL	70% (812) full-time	38% (435) clerical/sales 30% (346) service	21% (162) $ 6,000-$ 7,499 20% (155) $ 7,500-$ 9,999 20% (152) $ 3,000-$ 5,999	51% (599) less than one year
Liberal Arts	53% (152) full-time	39% (106) clerical/sales 29% (80) service	27% (40) $10,000-$14,999 21% (31) $15,000-$19,999	41% (118) more than two years 36% (103) less than one year
Business	76% (270) full-time	78% (269) clerical/sales	31% (78) $ 6,000-$ 7,499 26% (67) $ 3,000-$ 5,999	62% (220) less than one year
Health Svcs.	81% (100) full-time	81% (98) service	42% (42) $ 7,500-$ 9,999 29% (29) $ 6,000-$ 7,499	70% (87) less than one year
Hotel/Food Svcs.	64% (21) full-time	55% (18) service	19% each (4) $ 3,000-$ 5,999 $ 6,000-$ 7,499 $ 7,500-$ 9,999 $10,000-$14,999	52% (17) less than one year
Public Services	78% (71) full-time	74% (67) service	39% (27) $10,000-$14,999 26% (18) $15,000-$19,999	56% (51) more than two years
Technology	71% (197) full-time	18% (51) machine trades 22% (61) structural work	24% (44) $ 3,000-$ 5,999 17% (31) $ 6,000-$ 7,499	55% (151) less than one year

[a] Does not consider "other" (1).

[b] Service occupations include: (1) domestic service, (2) food and beverage preparation and service, (3) barbering, cosmetology and related services, (4) amusement and recreation services, (5) miscellaneous personal services (includes practical nurses), (6) apparel and furnishings services, (7) protective services and (8) building and related services. (Source: U.S. Department of Labor, Dictionary of Occupational Titles 1965, Volume II, Third Edition.)

[c] 776 graduates working full-time who indicated their income level: 147, liberal arts; 254, business; 99, health services; 21, hotel/food services; 69, public services; 185, technology; 1, other and no data (details not included).

TABLE 7
DOMINANT CHARACTERISTICS OF RESPONDENTS WHO ARE WORKING, BY PROGRAM[a]
THE EMPLOYERS
1976-77 GRADUATES

Program	Current Employer	Location of Employment	Job Source
TOTAL	54% (611) private industry 10% (117) tourist industry 10% (113) state government	69% (804) Oahu 13% (150) Hawaii	28% (324) personal application to employer 25% (284) referral through friend or relative
Liberal Arts	47% (133) private industry 15% (42) federal government	79% (226) Oahu	40% (112) personal application to employer 22% (61) referral through friend or relative
Business	55% (190) private industry	63% (226) Oahu 15% (54) Hawaii	26% (92) referral through friend or relative 21% (73) public or private employment agency
Health Services	62% (72) private industry 16% (18) non-profit org.	75% (93) Oahu	40% (50) personal application to employer 15% (18) referral through friend or relative
Hotel/Food Svcs.	42% (14) tourist industry 27% (9) private industry	82% (27) Oahu	31% (10) faculty referral 19% (6) referral through friend or relative
Public Svcs.	40% (36) city government 23% (21) private industry	73% (66) Oahu	30% each (27) personal application to employer and referral through friend or relative
Technology	68% (185) private industry	60% (165) Oahu 20% (56) Hawaii	29% (80) referral through friend or relative 26% (70) personal application to employer

[a] Does not consider "other" (1).

TABLE 8
DOMINANT CHARACTERISTICS OF RESPONDENTS WHO ARE WORKING, BY PROGRAM[a]
JOB RELATIONSHIPS
1976-77 GRADUATES

Program	Job/Career Relationship	Job/Major Relatedness	Reason for Non-Relatedness[b]
TOTAL	34% (389) probably related 26% (300) definitely related	41% (478) related 34% (399) not at all related	52% (205) did not look for a job related to major
Liberal Arts	30% (85) definitely not related 28% (78) probably not related	6[illegible]% (172) not at all related	67% (111) did not look for a job related to major
Business	46% (163) probably related 22% (77) probably not related	49% (173) related 34% (121) somewhat related	48% (30) did not look for a job related to major 46% (29) could not find a job related to major
Health Svcs.	46% (57) definitely related 36% (45) probably related	82% (102) related	73% (8) could not find a job related to major
Hotel/Food Svcs.	49% (16) definitely related 21% (7) probably related 21% (7) probably not related	58% (19) related 30% (10) somewhat related	80% (4) did not look for a job related to major
Public Services	41% (37) definitely related 31% (28) probably related	55% (50) related 19% (17) somewhat related	42% each (10) did not look for a job related to major and could not find a job related to major
Technology	30% (81) probably related 25% (69) probably not related	46% (124) not at all related 35% (97) related	55% (67) could not find a job related to major

[a] Does not consider "other" (1).

[b] Based on 393 respondents out of the 399 who indicated non-relatedness between job and major field of study.

The data, by program, in Tables 6, 7 and 8 also indicate that:

a. The proportions of graduates working full-time range from 81 percent (health services) to 53 percent (liberal arts).

b. Clerical/sales occupations are dominant among liberal arts and business graduates; service occupations among graduates from health, hotel/food and public service programs; structural work occupations among technology graduates.

c. A plurality of liberal arts and public service graduates employed full-time have annual incomes of $10,000-$14,999; business graduates, $6,000-$7,499; health services, $7,500-$9,999; technology, $3,000-$5,999.

d. A majority of graduates from business, health services, hotel/food services and technology have been employed in their positions for less than a year.

e. A majority of graduates from business, health services and technology are employed in private industry.

f. At least a majority of graduates from each of the six programs are employed on Oahu, ranging from 82 percent (hotel/food services) to 60 percent (technology).

g. A plurality of graduates from liberal arts, health services and public services learned of their jobs through personal application to employers.

h. A plurality of the graduates from health services, hotel/food services, and public services feel that their present jobs are the type in which they will definitely make their career. At least a plurality of graduates from business and technology feel that their present job/career plans are probably related. However, about a fourth of the liberal arts and technology graduates indicated "probably" or "definitely" not related.

i. At least a plurality of graduates in the following programs feel that their jobs are related to their major fields of study: health services (82 percent), hotel/food services (58 percent), public services (55 percent) and business (49 percent).

j. Close to or over a half of the graduates from the following programs were not in occupations related to their major fields of study because they did not look for such jobs: hotel/food services (80 percent; 4, students), liberal arts (67 percent) and business (48 percent). Over half of the graduates from health services (73 percent; 8 students) and technology (55 percent) programs could not find jobs related to their majors.

5. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. See Figures 1, 2 and 3 which show the responses of students.

FIGURE 1
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
COMMUNITY COLLEGE TOTAL

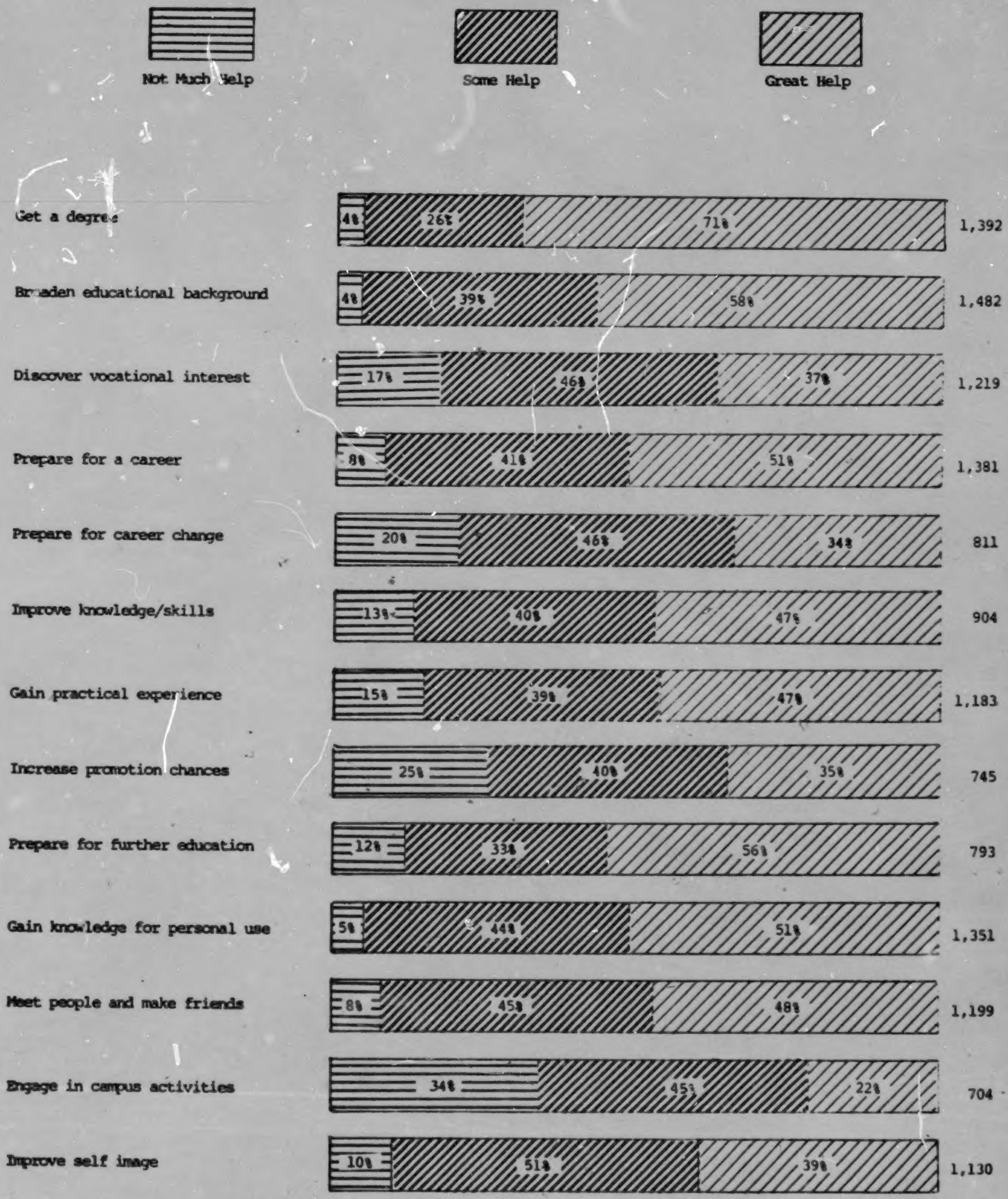


FIGURE 2
EVALUATION OF COLLEGE EXPERIENCE
COMMUNITY COLLEGE TOTAL

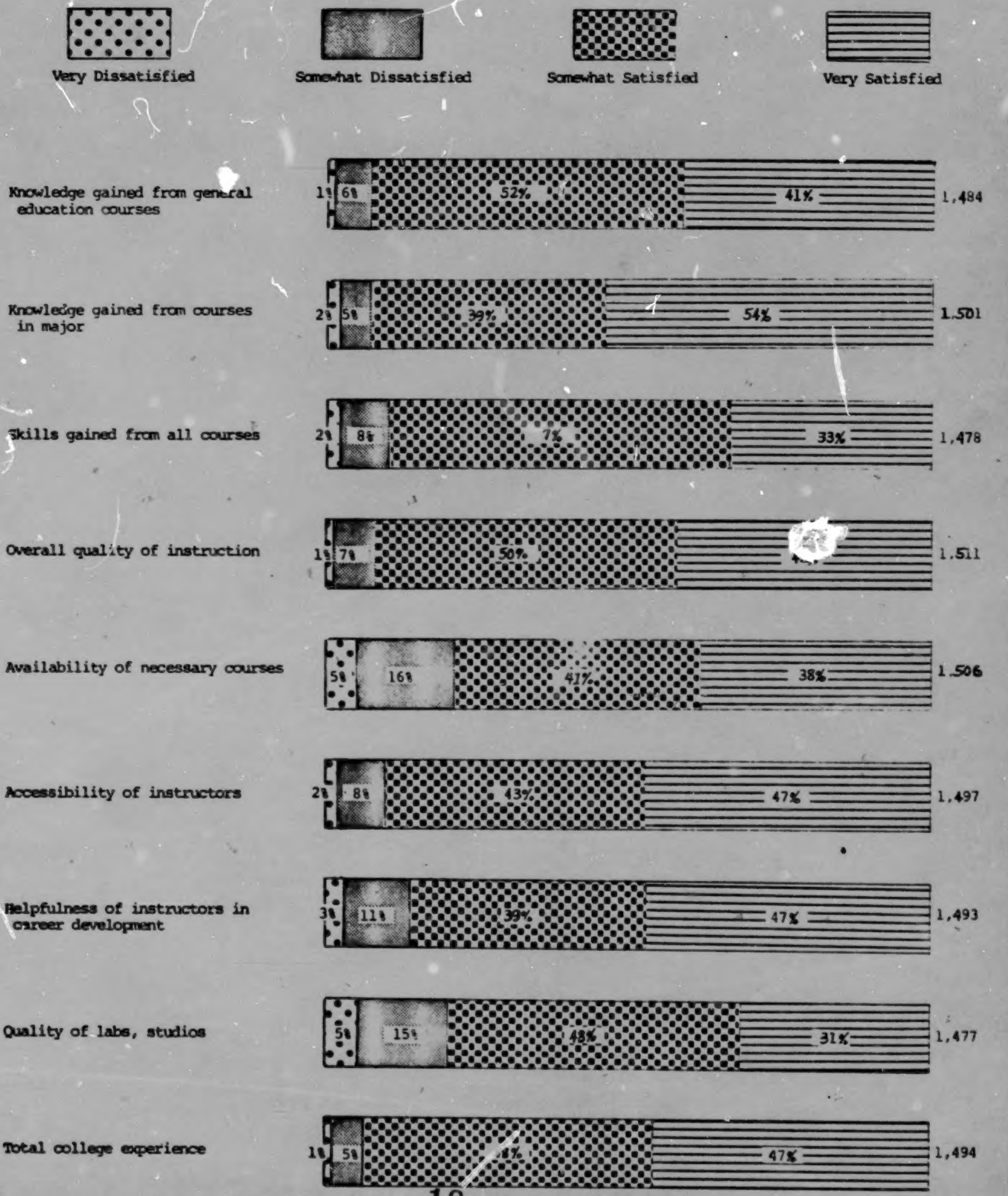
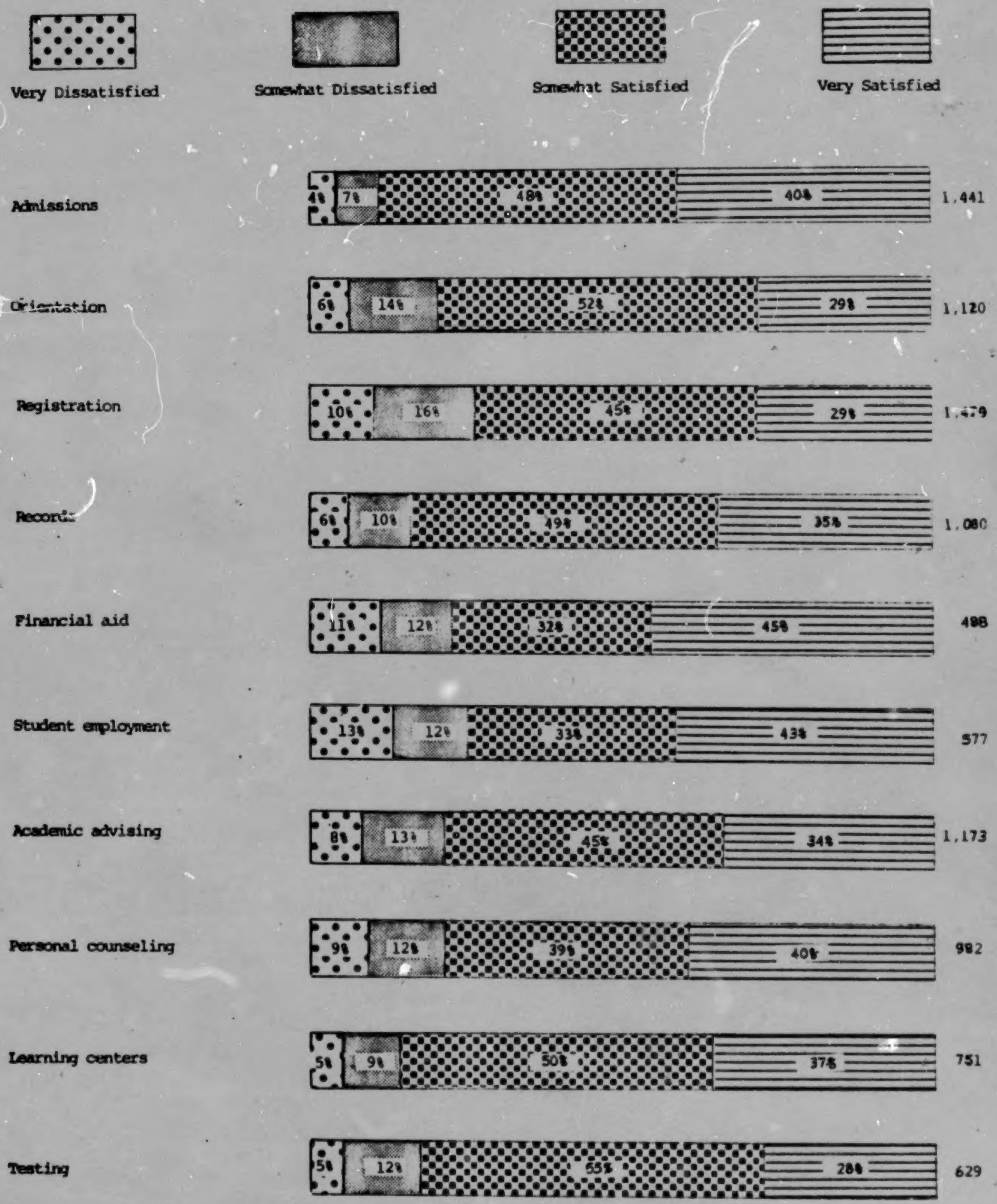
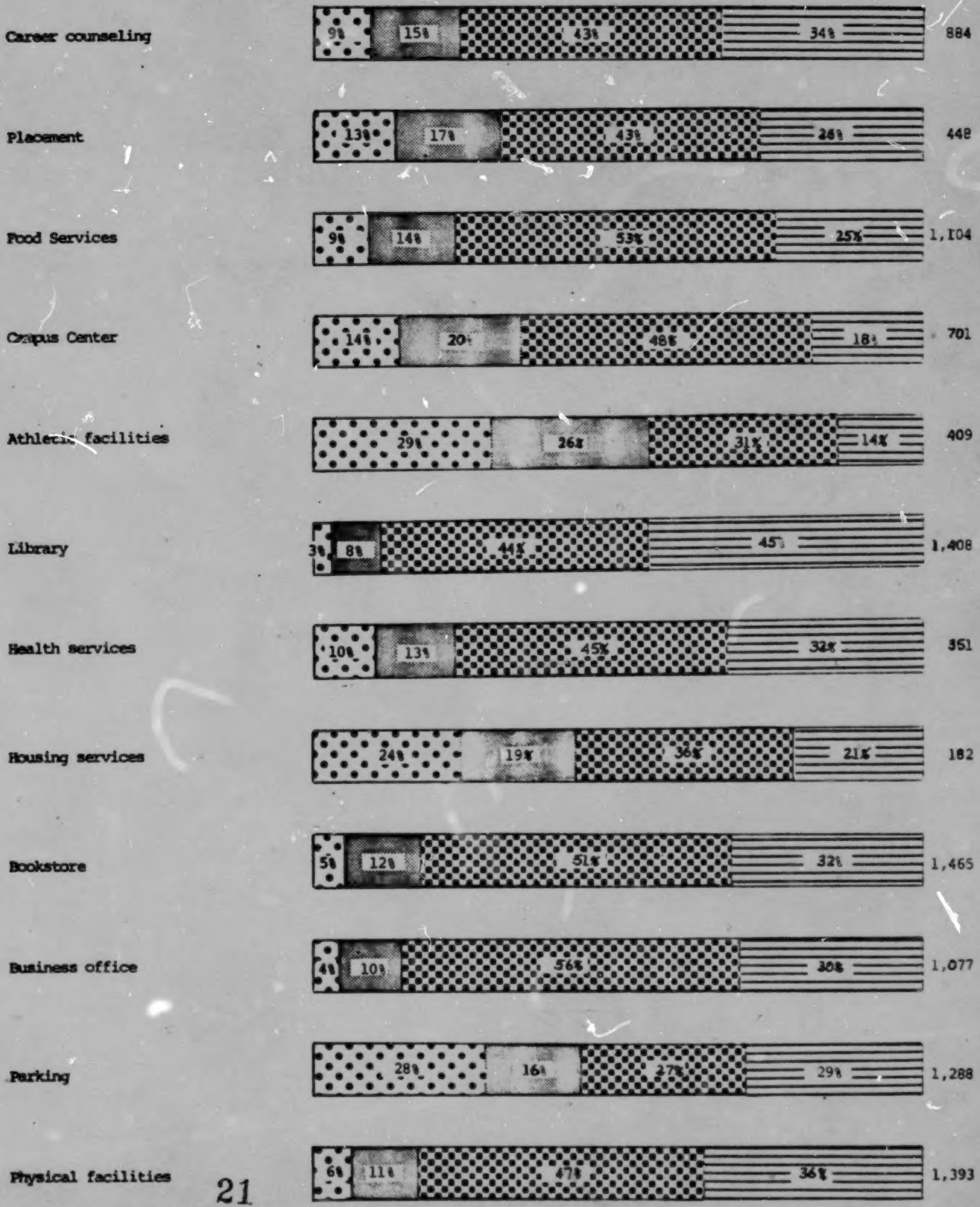


FIGURE 3[a]
EVALUATION OF COLLEGE SERVICES
COMMUNITY COLLEGE TOTAL



[a] Excludes students who did not use a particular service or who indicated that the particular service was not available on their campus.

FIGURE 3 (Cont.)
EVALUATION OF COLLEGE SERVICES
COMMUNITY COLLEGE TOTAL



A few highlights are presented below:

a. Campus Helpfulness

(1) There was quite a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(2) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

1,482	To broaden my educational background
1,392	To get a degree
1,381	To prepare for a career
1,351	To gain specific knowledge for my personal use or interest
1,219	To discover my vocational interest.

Bottom Five:

704	To become actively involved in student life and campus activities
745	To increase my chances for a possible raise and/or possible promotion in my present job
793	To meet academic requirements necessary for admittance to a four-year or graduate/professional school
811	To prepare for a career change
904	To improve my knowledge and technical skills required in my present job.

(3) At least a majority of graduates rated their campuses most favorably ("a great deal of help") in attaining the following goals:

71%	To get a degree
58%	To broaden my educational background
56%	To meet academic requirements necessary for admittance to a four-year or graduate/professional school
51%	To prepare for a career
51%	To gain specific knowledge for my personal use or interest.

Noteworthy is the fact that four of the above goals were among the top five selected as important by graduates.

(4) Over 15 percent of the graduates rated their campuses least favorably ("not of much help") in attaining the following goals:

15% To gain practical experience in an occupational field
17% To discover my vocational interest
20% To prepare for a career change
25% To increase my chances for a possible raise and/or possible promotion in my present job
34% To become actively involved in student life and campus activities.

Three of the above goals were among the bottom five selected as important by graduates.

(5) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 12 out of 13 goals.*

Some details are given below:

Goal[4]	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
Broaden educational background***	71% liberal arts	48% business
Discover vocational interest***	55% health svcs.	26% liberal arts
Prepare for career***	76% health svcs.	32% liberal arts
Prepare for career change***	55% health svcs.	27% business
Improve knowledge and technical skills***	74% health svcs.	26% liberal arts
Gain practical experience***	78% health svcs.	22% liberal arts
Increase promotion chances***	54% public svcs.	24% liberal arts
Meet academic requirements for further education***	75% liberal arts	31% technology
Gain knowledge for personal use***	62% liberal arts	38% business
Make friends and meet people*	56% hotel/food svcs.	38% public svcs.
Become involved in student life and campus activities*	31% liberal arts	14% hotel/food and public svcs.
Improve self-image***	49% liberal arts	31% business

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[4] Based on chi-square analysis, levels of significance denoted thus: *.05, **.01, ***.001.

In general, graduates from health services were more favorable in their ratings of campus helpfulness than graduates from other programs.

b. College Experience

(1) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (Two areas were so rated by 5 percent of the graduates: quality of labs/studios/support facilities and availability of necessary courses.)

(2) At least a plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

54%	Knowledge gained from courses in major
47%	The accessibility of instructors
47%	Helpfulness of instructors in assisting with career development

(3) A plurality of graduates rated as "somewhat satisfactory" the six remaining areas:

57%	Skills gained from all courses
52%	Knowledge gained from general education courses
50%	Overall quality of instruction
48%	Quality of labs and studios and other support facilities
48%	Total experience at college
41%	Availability of necessary courses

(4) The "total experience at college" was rated:

Very satisfied	47%
Somewhat satisfied	48%
Somewhat dissatisfied	5%
Very dissatisfied	1%

(5) *Respondents, by program, differed significantly in their assessment of their college experiences on 8 out of 9 items.*

Details are given below:

Area	Range: Percent of Graduates Who Indicated "very satisfied"	
Knowledge from general education***	59% liberal arts	29% business
Knowledge gained from courses in major***	66% health svcs.	48% liberal arts
Skills gained from courses***	43% liberal arts	28% business, health svcs., technology
Overall quality of instruction***	53% liberal arts	31% business
Accessibility of instructors***	59% liberal arts	32% business
Helpfulness of instructors in career development***	59% hotel/food svcs.	42% business, liberal arts
Quality of labs/studios**	40% hotel/food svcs.	24% business
Total experience at college***	58% liberal arts	40% technology

Generally, graduates from liberal arts were more favorable in their ratings of their college experiences than graduates from other programs.

c. College Services

(1) There was quite a range in the number of students who indicated "never used this service or service not available." Over 1,400 graduates rated the following services: admissions, registration, library, bookstore; while under 500 graduates rated financial aid services, placement office, athletic facilities, health services, housing services.

(2) There was also a range in student responses regarding their satisfaction with various college services.

(3) At least a plurality of graduates rated the following services most favorably ("very satisfied"):

45% financial aid services
45% library
43% student employment
40% personal counseling
29% parking

(4) The plurality rated as "somewhat satisfied" the remaining 17 services.

Among these are several items so rated by a majority of graduates:

56%	business office
55%	testing services
53%	cafeteria, food services
52%	orientation
51%	bookstore
50%	learning assistance center

(5) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

29%	athletic facilities
28%	parking
24%	housing services

(6) *Respondents, by program, differed significantly in their assessment of 16 out of 22 college services.*

See details below:

Service	Range: Percent of Graduates Who Indicated "very satisfied"	
Admissions**	49% liberal arts	29% health svcs.
Registration***	37% public svcs.	22% business
Records***	41% liberal arts	23% health svcs.
Personal counseling***	63% health svcs.	3[illegible]% business
Learning assistance center*	53% public svcs.	30% business
Testing services*	56% hotel/food svcs.	20% business
Career counseling/advising*	53% hotel/food svcs.	29% business, technology
Cafeteria, food services***	54% hotel/food svcs.	18% technology
Campus center, recreational facilities*	20% liberal arts, public svcs.	15% health svcs., technology
Athletic facilities**	33% hotel/food svcs.	9% business, technology
Library***	57% public svcs.	32% health svcs.
Health services*	50% hotel/food svcs.	19% public svcs.
Bookstore*	34% business	30% hotel/food svcs., technology
Business office***	40% public svcs.	18% health svcs.
Parking***	48% liberal arts	15% hotel/food svcs., technology
Physical facilities***	55% liberal arts	14% health svcs.

Generally, graduates from liberal arts, hotel/food services and public services rated college services more favorably than other graduates.

D. Findings: Campus Highlights

1. Hawaii Community College

a. Representativeness Data

Out of the 344 graduates, 214 (62 percent) completed the questionnaire. Respondents were representative of the graduate population on two out of five characteristics--sex and program. The data in Table 9 indicate that the dominant characteristics of the respondents were:

--53% male
--59% 20-21 years old at the end of 1977
--40% technology graduates; 39% business
--73% A.S. recipients
--41% grade point averages of 2.0-2.9; 36%, 3.0-3.4.

TABLE 9
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: HAWAII COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	214	*100.0*	344	*100.0*
Sex				
Female	101	*47.2*	158	*45.9*
Male	113	*52.8*	186	*54.1*
Age*				
Below 20	10	*4.7*	17	*4.9*
20-21	127	*59.4*	184	*53.5*
22-24	32	*15.0*	65	*18.9*
25-29	26	*12.2*	48	*14.0*
Over 29	19	*8.9*	30	*8.7*
Program				
Liberal Arts	12	*5.6*	22	*6.4*
Business	84	*39.3*	118	*34.3*
Health Services	17	*7.9*	34	*9.9*
Hotel/Food Services	4	*1.9*	11	*3.2*
Public Services	11	*5.1*	18	*5.2*
Technology	86	*40.2*	140	*40.7*
Other			1	*0.3*
Degree**				
Certificate of Completion	3	*1.4*	5	*1.5*
Certificate of Achievement	42	*19.6*	87	*2.5*
Associate of Science	157	*73.4*	229	*66.6*
Associate of Arts	12	*5.6*	22	*6.4*
Grade Point Average*				
3.5 and above	48	*22.4*	63	*18.3*
3.0-3.4	76	*35.5*	117	*34.0*
2.0-2.9	87	*40.7*	156	*45.3*
Below 2.0	3	*1.4*	8	*2.3*

b. Semesters to Complete Degree

There were statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. The majority of graduates (57 percent) took 3-4 semesters. This was especially true of technology graduates (65 percent). A plurality of health services graduates (47 percent) completed their degrees in 3-4 semesters; liberal arts graduates (42 percent) in 5-6 semesters.

Over four-fifths of the graduates (83 percent) completed their degrees without a break in attendance. This rate was exceeded by graduates in hotel/food services (all 4 graduates) and technology (89 percent).

c. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 43 (20 percent) checked more than one activity. The most common activities are:

120	56%	Employed (96 or 45 percent, full-time)
38	18%	Enrolled in school and employed
28	13%	Enrolled in school (27, full-time)

There are 18 respondents who are unemployed and looking for work; the remaining 10 are engaged in other activities.

The data in Table 10 further indicate that over half of the graduates from business (60 percent), health services (65 percent), public services (55 percent), and technology (55 percent) are employed, full- or part-time, as their sole activity.

TABLE 10
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: HAWAII COMMUNITY COLLEGE

MAJGRP	COUNT ROW PCT	EMPLOYED FULLTIME 1	IN SCH FULLTIME 2	EMPLOYED PARTTIME 3	IN SCH PARTTIME 4	UNEMPL-- NOT LOOK 6	UNEMPL-- LOOKING 7	IN SCH & WORKING 9	OTHER MULT RES 10	ROW TOTAL
LIBERAL ARTS	60	3 25.0	1 8.3	1 8.3	0 0.0	0 0.0	1 8.3	6 50.0	0 0.0	12 5.6
BUSINESS	62	44 52.4	10 11.9	6 7.1	0 0.0	3 3.6	8 9.5	10 11.9	3 3.6	84 39.3
HEALTH SERVICES	64	7 41.2	0 0.0	4 23.5	0 0.0	1 5.9	3 17.6	2 11.8	0 0.0	17 7.9
HOTEL & FOOD SVS	66	0 0.0	0 0.0	2 50.0	0 0.0	0 0.0	0 0.0	2 50.0	0 0.0	4 1.9
PUBLIC SERVICES	72	4 36.4	0 0.0	2 18.2	0 0.0	0 0.0	0 0.0	5 45.5	0 0.0	11 5.1
TECHNOLOGY	74	38 44.2	16 18.6	9 10.5	1 1.2	1 1.2	6 7.0	13 15.1	2 2.3	86 40.2
COLUMN TOTAL		96 44.9	27 12.6	24 11.2	1 0.5	5 2.3	18 8.4	38 17.8	5 2.3	214 100.0

RAW CHI SQUARE = 45.75615 WITH 36 DEGREES OF FREEDOM. SIGNIFICANCE = 0.1054

d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 67 to 72, and percentages are based on the total for a particular item. The dominant characteristics are:

--87% (58) are now full-time students
--47% (32) are currently attending Hawaii Community College; 31% (21), Hilo College. (The total remaining at the University of Hawaii at Hilo is therefore 53 or 78 percent of the 1976-77 graduates.)
--33% (24) are seeking Bachelor's degrees; 29% (21), A.S. degrees
--34% (23) are majoring in technology; 8 each, social sciences, business.

There were no statistically significant differences, by program, on any of the four items.

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 151 to 162, and percentages are based on the total for a particular item.

The dominant characteristics are:

--69% (110) are working full-time
--36% (57) are in clerical/sales occupations; 23% (36), service occupations
--full-time only: 26% (27) have annual incomes of $3,000-$5,999; 18% (18), below $3,000; 17% (17), $6,000-$7,499
--61% (98) have been employed in their present positions for less than a year; especially, health service graduates (85%)
--60% (95) are working for private industry
--90% (146) are working on Hawaii
--33% (53) learned of their jobs through referrals of friends and relatives; 19% (31) through personal applications to employers
--33% (52) feel that their present jobs are the type in which they will probably make their career; 26% (42) feel "definitely will" make their career. This was especially true of business and health services majors.
--43% (70) feel their work is related to their major field of study; especially health services graduates (62%). Of the 54 who indicated "not at all related", 63% sought but could not find a job related to their major.

There were statistically significant differences, by program, on: length of employment, job/career relationships and job/major relatedness.[5]

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[5] Results of chi-square analysis disregarded because many cells were zero: occupation, annual income of full-time employees, employer and job source.

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1a, 2a and 3a in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was quite a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

203	To broaden my educational background
199	To prepare for a career
193	To gain specific knowledge for my personal use
191	To get a degree
191	To gain practical experience in an occupational field.

Bottom Five:

87	To meet academic requirements for further schooling
114	To increase promotion chances
121	To become actively involved in student activities
123	To prepare for a career change
141	To improve knowledge and skills required in present job.

(c) At least a majority of graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

69%	To get a degree
56%	To make new friends and meet people
53%	To gain practical experience in an occupational field
50%	To prepare for a career.

Three of the above goals were among the top five in importance to graduates.

(d) Over 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

31%	To become actively involved in student activities
22%	To increase my promotion chances
22%	To meet academic requirements for further schooling
20%	To prepare for a career change
17%	To discover my vocational interest

Four of the above goals were among the bottom five in importance to graduates.

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining three goals.*

See details below:[6]

Goal	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
To get a degree**	73% business	36% liberal arts
To gain practical experience*	71% health svcs.	50% technology
To become actively involved in student activities*	26% technology	12% business

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[6] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (One area so rated by 9 percent of the graduates was quality of labs/studios/support facilities. Other areas received lower percentages.)

(b) A plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

47% Knowledge gained from courses in major (47%, "somewhat satisfied")
47% Helpfulness of instructors in assisting with career development

(c) At least a plurality of graduates rated as "somewhat satisfactory" the remaining areas:

64% Skills gained from all courses
54% Overall quality of instruction
44% Availability of necessary courses
44% Accessibility of instructors
51% Quality of labs/studios/support facilities
58% Total college experience

(d) The total experience at college was rated:

Very satisfied	32%
Somewhat satisfied	58%
Somewhat dissatisfied	9%
Very dissatisfied	1%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 5 out of 9 items.*

Details are given below:

Area	Range: Percent of Graduates Who Indicated "very satisfied"	
Knowledge gained from courses in your major***	75% health svcs.	9% public svcs.
Availability of courses offered that you needed*	46% technology	9% public svcs.
The accessibility of instructors***	60% health svcs.	10% public svcs.
Helpfulness of instructors in assisting you with career development**	52% business	20% public svcs.
Total experience at college*	34% technology	0% public svcs.

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 190 graduates rated the following services: admissions, registration, library, bookstore, parking and physical facilities. Under 70 graduates rated testing services, placement office, health services and housing services.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The majority of graduates rated 15 services as "somewhat satisfied", the top five being:

69% business office
67% testing services
62% orientation
61% physical facilities
58% records

(d) A plurality of graduates rated 2 services as "very satisfied": financial aid (38%) and student employment (43%).

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

42% parking
16% placement office
15% housing services

(f) *Respondents, by program, differed significantly in their assessment of 6 out of 22 college services.*

See details below:

Service	Range: Percent of Graduates Who Indicated "very satisfied"	
Admissions*	39% technology	17% liberal arts
Registration*	36% technology	17% liberal arts, business
Student employment*	Only two programs have more than 10 respondents	
Personal counseling***	55% health svcs.	33% business
Placement office*	Only two programs have more than 10 respondents	
Parking***	36% health svcs.	3% business

2. Honolulu Community College

a. Representativeness Data

Out of the 448 graduates, 281 (63 percent) completed the questionnaire. Respondents were representative of the graduate population on all five characteristics--sex, age, program, degree and grade point average.

The data in Table 11 indicate that the dominant characteristics of the respondents were:

--84% male
--29% 22-24 years old at the end of 1977; 27%, 20-21 years
--65% technology graduates
--68% A.S. recipients
--38% grade point average of 2.0-2.9; 33%, 3.0-3.4.

TABLE 11
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: HONOLULU COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	281	*100.0*	448	*100.0*
Sex				
Female	44	*15.7*	69	*15.4*
Male	237	*84.3*	379	*84.6*
Age				
Below 20	1	*0.4*	1	*0.2*
20-21	77	*27.4*	119	*26.6*
22-24	81	*28.8*	128	*28.6*
25-29	56	*19.9*	95	*21.2*
Over 29	66	*23.5*	105	*23.4*
Program				
Liberal Arts	36	*12.8*	59	*13.2*
Hotel/Food Services	3	*1.1*	4	*0.9*
Public Services	60	*21.4*	107	*23.9*
Technology	182	*64.8*	278	*62.1*
Degree				
Certificate of Completion	12	*4.3*	17	*3.8*
Certificate of Achievement	42	*15.0*	80	*17.9*
Associate of Science	190	*67.6*	291	*65.0*
Associate of Arts	37	*13.2*	60	*13.4*
Grade Point Average				
3.5 and above	77	*27.4*	119	*26.6*
3.0-3.4	92	*32.7*	146	*32.6*
2.0-2.9	108	*38.4*	177	*39.5*
Below 2.0	4	*1.4*	6	*1.3*

b. Semesters to Complete Degree

There were statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. Most graduates took 3-4 semesters (43 percent) or 5-6 semesters (42 percent).

Over four-fifths of the graduates (84 percent) completed their degrees without a break in attendance. *There was no significant difference, by program.*

c. Current Activities

Graduates were asked to check all the activities in which they are currently engaged, and 109 (39 percent) checked more than one activity. The most common activities are:

130	46%	Employed (111 or 40 percent, full-time)
97	35%	Enrolled in school and employed

There are an additional 31 enrolled in school; 11 who are unemployed and looking for work; the remaining 12 are engaged in other activities.

The data in Table 12 further indicate that (1) slightly over half of the public services and technology graduates are employed, full- or part-time as their sole activity; (2) half of the graduates in liberal arts are enrolled in school and working.

TABLE 12
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: HONOLULU COMMUNITY COLLEGE

```
               COUNT  I
             ROW PCT  IEMPLOYED  IN SCH    EMPLOYED  IN SCH    UNEMPL--  IN SCH &  OTHER      ROW
                      IFULLTIME  FULLTIME  PARTTIME  PARTTIME  LOOKING   WORKING   MULT RES   TOTAL
                      I     1  I     2  I     3  I     4  I     7  I     9  I    10  I
MAJGRP       ---------I--------I--------I--------I--------I--------I--------I--------I
                   60 I     5  I    10  I     1  I     1  I     1  I    18  I     0  I     36
  LIBERAL ARTS        I  13.9  I  27.8  I   2.8  I   2.8  I   2.8  I  50.0  I   0.0  I   12.8
                     -I--------I--------I--------I--------I--------I--------I--------I
                   66 I     0  I     0  I     0  I     0  I     1  I     2  I     0  I      3
  HOTEL & FOOD SVS    I   0.0  I   0.0  I   0.0  I   0.0  I  33.3  I  66.7  I   0.0  I    1.1
                     -I--------I--------I--------I--------I--------I--------I--------I
                   72 I    28  I     2  I     3  I     0  I     0  I    23  I     4  I     60
  PUBLIC SERVICES     I  46.7  I   3.3  I   5.0  I   0.0  I   0.0  I  38.3  I   6.7  I   21.4
                     -I--------I--------I--------I--------I--------I--------I--------I
                   76 I    78  I    16  I    15  I     2  I     9  I    54  I     8  I    182
  TECHNOLOGY          I  42.9  I   8.8  I   8.2  I   1.1  I   4.9  I  29.7  I   4.4  I   64.8
                     -I--------I--------I--------I--------I--------I--------I--------I
              COLUMN      111       28       19        3       11       97       12       281
               TOTAL     39.5     10.0      6.8      1.1      3.9     34.5      4.3     100.0

RAW CHI SQUARE =    43.66028 WITH    18 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0006
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d. Details: Attending School[7]

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 123 to 136, and percentages are based on the total for a particular item. The dominant characteristics are:

--63% (86) are full-time students
--58% (78) are currently attending Honolulu Community College; 28% (37), UH Manoa
--47% (64) are seeking Bachelor's degrees; 19% (25), A.S. degrees
--31% (38) are majoring in technology; 11% (13), social sciences; 9% (11), business administration.

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 224 to 232, and percentages are based on the total for a particular item.

The dominant characteristics are:

--71% (164) are working full-time
--38% (85) are in service occupations; 15% (34), clerical/sales occupations
--full-time only: 26% (41) have annual incomes of $10,000-$14,999; 19% (31), $3,000-$5,999; 16% (25), $7,500-$9,999
--42% (97) have been employed in their present positions for less than a year; 35% (80), more than 2 years. The length of employment was less than a year for 51 percent of technology graduates and more than two years for 64 percent of public service graduates.
--53% (120) are working for private industry
--92% (212) are working on Oahu
--29% (65) learned of their jobs through referrals of friends and relatives; 26% (58) through personal applications to employers
--31% (72) feel that their present jobs are the type in which they "definitely will" make their career; 28% (63) feel will probably make their career. This was especially true of public services majors.

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[7] Results of chi-square analysis disregarded because many cells were 0.

--38% (87) feel their work is not at all related to their major field of study; 38% (86), feel their work is related. While public services graduates (57 percent) feel their work is related to their major field of study, liberal arts (42 percent) and technology (43 percent) graduates indicated no relationship. Of the 87 who indicated "not at all related", 50% sought but could not find a job related to their major. This was especially true of technology graduates.

There were statistically significant differences, by program, on: length of employment, job/career relationships and job/major relatedness.[8]

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1b, 2b and 3b in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

273 To broaden my educational background
260 To prepare for a career
255 To get a degree
245 To gain specific knowledge for my personal use
233 To gain practical experience in an occupational field

---

[8] Results of chi-square analysis disregarded because many cells were zero: occupation, annual income of full-time employees, employer and job source.

Bottom Five:

121 To become actively involved in student activities
139 To prepare for a career change
140 To meet academic requirements for further schooling
153 To increase promotion chances
175 To improve knowledge and skills required in present job.

(c) At least a majority of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

71% To get a degree
58% To broaden educational background
54% To prepare for a career
51% To improve knowledge and skills required in present job
51% To gain specific knowledge for my personal use.

Four of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

44% To become actively involved in student activities
23% To prepare for a career change
22% To increase my promotion chances
15% To improve knowledge and skills required in present job.

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 5 out of 13 goals.*[9]

See details on the following page:

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[9] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

Goal	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
To discover my vocational interest*	49% public svcs.	28% liberal arts
To prepare for a career, i.e , acquire specific skills and knowledge*	57% technology	28% liberal arts
To improve my knowledge and technical skills required in my present job*	66% public svcs.	20% liberal arts
To increase my chances for a possible raise and/or possible promotion in my present job**	64% public svcs.	15% liberal arts
To meet academic requirements necessary for admittance to a four-year or graduate/professional school*	65% liberal arts	34% technology

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (Three areas were so rated by 3 percent of the graduates: availability of necessary courses, helpfulness of instructors in career development, quality of labs/studios/support facilities. Other areas received lower percentages.)

(b) A plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

56% Knowledge gained from courses in major
52% Accessibility of instructors
49% Helpfulness of instructors in assisting with career development
49% Total college experience
47% Overall quality of instruction (47%, "somewhat satisfied")

(c) A plurality of graduates rated as "somewhat satisfactory" the following areas:

59% Skills gained from all courses
47% Quality of labs/studios/support facilities
41% Availability of necessary courses

(d) The total experience at college was rated:

Very satisfied	49%
Somewhat satisfied	47%
Somewhat dissatisfied	4%
Very dissatisfied	0%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 4 out of 9 items.*

Details are given below:

Area	Range: Percent of Graduates Who Indicated "very satisfied"	
Knowledge gained from general education (core) courses***	72% liberal arts	35% technology
Skills (reading, writing, math, etc.) gained from all courses*	53% liberal arts	28% technology
The accessibility of instructors**	69% liberal arts	45% technology
Total experience at college*	61% public svcs.	43% technology

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 250 or more students rated the following services: bookstore, registration, admissions, library, physical facilities. Under 90 graduates rated housing services, health services, athletic facilities, placement office, student employment.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The majority of graduates rated 3 services as "very satisfied":

54% library
53% learning center
51% financial aid services

(d) The majority of graduates rated 5 services as "somewhat satisfied":

59% bookstore
56% business office
55% testing services
54% physical facilities
52% admissions

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

48% parking
35% athletic facilities
27% housing services
22% campus center and recreational facilities

(f) *Respondents, by program, differed significantly in their assessment of 1 out of 22 services:* on the library, "very satisfied" ratings ranged from 67 percent (liberal arts and public services) to 47 percent (technology).

3. Kapiolani Community College

a. Representativeness Data

Out of the 637 graduates, 376 (59 percent) completed the questionnaire. Respondents were representative of the graduate population on four characteristics--sex, program, degree and grade point average--out of five. We found a higher proportion of graduates 20-21 years old among respondents than in the graduate population.

The data in Table 13 indicate that the dominant characteristics of the respondents were:

--80% female
--40% 20-21 years old at the end of 1977; 26%, 22-24 years
--49% business graduates; 31%, health services
--54% A.S. recipients
--39% grade point average of 2.0-2.9; 31%, 3.0-3.4

TABLE 13
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: KAPIOLANI COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic[a]	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	376	100.0	637	100.0
Sex				
Female	302	80.3	503	79.0
Male	74	19.7	134	21.0
Age***				
Below 20	4	1.1	13	2.0
20-21	150	39.9	207	32.5
22-24	96	25.5	184	28.9
25-29	62	16.5	113	17.7
Over 29	52	13.8	96	15.1
Program				
Liberal Arts	40	10.6	67	10.5
Business	184	48.9	294	46.2
Health Services	118	31.4	211	33.1
Hotel/Food Services	25	6.7	48	7.5
Public Services	9	2.4	17	2.7
Degree				
Certificate of Completion	39	10.4	70	11.0
Certificate of Achievement	96	25.5	169	26.5
Associate of Science	201	53.5	331	52.0
Associate of Arts	40	10.6	67	10.5
Grade Point Average				
3.5 and above	96	25.5	155	24.3
3.0-3.4	115	30.6	192	30.1
2.0-2.9	148	39.4	257	40.3
Below 2.0	17	4.5	33	5.2

[a] Sum of the parts may not equal the total because "no data" is excluded: age group (12) for respondents; age group (24) for the graduate population.

b. Semesters to Complete Degree

There were statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. The majority of graduates (35 percent) took 3-4 semesters or (30 percent) 5-6 semesters. Health services graduates (59 percent) took 1-2 semesters to complete their degree.

Over four-fifths of the graduates (88 percent) completed their degrees without a break in attendance. This rate was exceeded by graduates in liberal arts (93 percent), health services (91 percent) and public services (100 percent, 9 graduates).

c. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 82 (22 percent) checked more than one activity. The most common activities are:

237	63%	Employed (215 or 57 percent, full-time)
69	18%	Enrolled in school and employed

There are 24 in school (19 full-time) as their sole activity; 20 respondents who are unemployed and looking for work; the remaining 26 are engaged in other activities.

The data in Table 14 further indicate that over half of the following graduates are employed full-time: business, (62 percent) health services (68 percent) and hotel/food services (56 percent). Over half of the liberal arts graduates (63 percent) are enrolled in school and working.

TABLE 14
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: KAPIOLANI COMMUNITY COLLEGE

```
          COUNT  I
        ROW PCT  IEMPLOYED IN SCH    EMPLOYED IN SCH    UNEMPL-- UNEMPL-- OTHER    IN SCH & OTHER       ROW
                 IFULLTIME FULLTIME PARTTIME PARTTIME NOT LOOK LOOKING           WORKING  MULT RES   TOTAL
                 I       1 I       2 I       3 I       4 I       6 I       7 I       8 I       9 I      10 I
MAJGRP   --------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                60 I       4 I       8 I       0 I       1 I       1 I       0 I       0 I      25 I       1 I      40
  LIBERAL ARTS     I    10.0 I    20.0 I     0.0 I     2.5 I     2.5 I     0.0 I     0.0 I    62.5 I     2.5 I    10.6
                 -I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                62 I     114 I       2 I      13 I       1 I       2 I      13 I       0 I      30 I       9 I     184
  BUSINESS         I    62.0 I     1.1 I     7.1 I     0.5 I     1.1 I     7.1 I     0.0 I    16.3 I     4.9 I    48.9
                 -I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                64 I      80 I       4 I       7 I       0 I       6 I       7 I       1 I      11 I       2 I     118
  HEALTH  SERVICES I    67.8 I     3.4 I     5.9 I     0.0 I     5.1 I     5.9 I     0.8 I     9.3 I     1.7 I    31.4
                 -I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                66 I      14 I       2 I       2 I       3 I       1 I       0 I       0 I       3 I       0 I      25
  HOTEL & FOOD SVS I    56.0 I     8.0 I     8.0 I    12.0 I     4.0 I     0.0 I     0.0 I    12.0 I     0.0 I     6.6
                 -I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                72 I       3 I       3 I       0 I       0 I       2 I       0 I       0 I       0 I       1 I       9
  PUBLIC  SERVICES I    33.3 I    33.3 I     0.0 I     0.0 I    22.2 I     0.0 I     0.0 I     0.0 I    11.1 I     2.4
                 -I---------I---------I---------I---------I---------I---------I---------I---------I---------I
            COLUMN       215       19        22         5        12        20         1        69        13       376
             TOTAL      57.2      5.1       5.9       1.3       3.2       5.3       0.3      18.4       3.5     100.0

RAW CHI SQUARE =   162.61638 WITH    32 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
```

d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 84 to 97, and percentages are based on the total for a particular item. The dominant characteristics are:

--57% (55) are now full-time students
--51% (46) are currently attending UH Manoa; 20% (18), Kapiolani
--54% (51) are seeking Bachelor's degrees
--17% (14) each are majoring in social sciences and business administration; 11 percent (9), other.

There were statistically significant differences, by program, on enrollment status.[10] The proportion of full-time students ranged from 71 percent (liberal arts) to 34 percent (business).

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 302 to 315, and percentages are based on the total for a particular item.

The dominant characteristics are:

--75% (237) are working full-time, especially health services graduates (85 percent)
--49% (150) are in clerical/sales occupations; 37% (112), service occupations
--full-time only: 34% (77) have annual incomes of $7,500-$9,999; 32% (73), $6,000-$7,499
--59% (185) have been employed in their present positions for less than a year; especially, health service graduates (68%)
--58% (175) are working for private industry
--93% (293) are working on Oahu
--22% (70) learned of their jobs through referrals of friends and relatives; 21% (66) through personal applications to employers
--40% (126) feel that their present jobs are the type in which they will probably make their career; 26% (81) feel "definitely will" make their career. This was especially true of health services and hotel/food services majors.
--60% (187) feel their work is related to their major field of study; especially health services graduates (83 percent). Of the 56 who indicated "not at all related", 53% did not look for a job related to their major.

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[10] Chi-square analysis disregarded for current school, educational objective and current program because many cells are 0.

There were statistically significant differences, by program, on: employment status, length of employment, job/career relationships and job/major relatedness.[11]

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1c, 2c and 3c in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

359	To broaden my educational background
353	To prepare for a career
327	To gain practical experience in an occupational field
320	To get a degree
316	To gain specific knowledge for my personal use.

Bottom Five:

141	To meet academic requirements for further schooling
151	To become actively involved in student activities
204	To prepare for a career change
204	To increase promotion chances
258	To improve knowledge and skills required in present job.

---

[11] Results of chi-square analysis disregarded because many cells were zero: occupation, annual income of full-time employees, employer and job source.

(c) At least a majority of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

67% To get a degree
60% To prepare for a career
54% To improve knowledge and skills required in present job
54% To gain practical experience in an occupational field
50% To broaden educational background.

Four of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

38% To become actively involved in student activities
29% To increase my promotion chances
23% To meet academic requirements for further schooling
21% To prepare for a career change
17% To discover my vocational interest.

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 9 out of 13 goals.*

See details on the following page:[12]

---

[12] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

Goal	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
To get a degree*	80% health svcs.	43% liberal arts
To discover my vocational interest***	55% health svcs.	18% liberal arts
To prepare for a career, i.e., acquire specific skills and knowledge***	75% health svcs.	11% liberal arts
To prepare for a career change**	53% health svcs.	14% liberal arts
To improve my knowledge and technical skills required in my present job***	77% health svcs.	19% liberal arts
To gain practical experience in an occupational field***	78% health svcs.	13% liberal arts
To increase my chances for a possible raise and/or possible promotion in my present job***	56% health svcs.	0% liberal arts
To meet academic requirements necessary for admittance to a four-year or graduate/professional school***	64% liberal arts	25% business
To gain specific knowledge for my personal use or interest**	57% hotel/food svcs.	31% business

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied". (One area was so rated by 9 percent of the graduates: quality of labs/studios/support facilities. Other areas received lower percentages.)

(b) A plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

56% Knowledge gained from courses in major
46% Helpfulness of instructors in assisting with career development

(c) A majority of graduates rated as "somewhat satisfactory" the following areas:

62%	Skills gained from all courses
61%	Knowledge gained from general education courses
56%	Overall quality of instruction
54%	Total experience at college

(d) The total experience at college was rated:

Very satisifed	37%
Somewhat satisfied	54%
Somewhat dissatisfied	7%
Very dissatisfied	2%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 6 of out 9 items.*

Details are given below:

Area	Range: Percent of Graduates Who Indicated "very satisfied"	
Knowledge gained from courses in your major***	71% hotel/food svcs.	26% liberal arts
The overall quality of instruction**	48% hotel/food svcs.	26% business
The accessibility of instructors***	52% hotel/food svcs.	25% business
Helpfulness of instructors in assisting you with career development*	55% health svcs.	27% liberal arts
Quality of laboratories and studios, other support facilities**	46% hotel/food svcs.	3% liberal arts
Total experience at college*	52% hotel/food svcs.	31% liberal arts

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 350 or more students rated the following services: registration, admissions, bookstore. Under 100 graduates rated housing services, health services, athletic facilities, financial aid services.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The plurality of graduates rated 2 services as "very satisfied":

43% student employment
41% financial aid services

(d) The majority of graduates rated 8 services as "somewhat satisfied":

57% business office
56% testing services
55% cafeteria, food services
55% library
55% physical facilities
54% admissions
52% learning centers
51% orientation

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

45% parking
39% athletic facilities
39% housing services
21% health services
20% campus center and recreational facilities
15% registration

(f) *Respondents, by program, differed significantly in their assessment of 8 out of 22 services.*

See details below:

Service	Range: Percent of Graduates Who Indicated "very satisfied"	
Records*	35% hotel/food svcs.	9% liberal arts
Academic advising**	47% hotel/food svcs.	8% liberal arts
Personal counseling***	82% hotel/food svcs.	8% liberal arts
Testing services*	50% hotel/food svcs.	6% liberal arts
Career counseling/advising**	56% hotel/food svcs.	4% liberal arts
Placement office*	39% health svcs.	9% liberal arts
Cafeteria, food services*	55% hotel/food svcs.	19% liberal arts
Bookstore***	32% health svcs.	18% liberal arts

4. Kauai Community College

a. Representativeness Data

Out of the 138 graduates, 92 (67 percent) completed the questionnaire. Respondents were representative of the graduate population on all five characteristics--sex, age at the end of 1977, program, degree and grade point average. The data in Table 15 indicate that the dominant characteristics of the respondents were:

--54% male
--45% 20-21 years old at the end of 1977; 23%, over 29 years
--33% liberal arts graduates; 27%, technology
--36% A.S. recipients; 33%, A.A.
--41% grade point averages of 3.0-3.4; 36%, 2.0-2.9.

TABLE 15
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: KAUAI COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	92	*100.0*	138	*100.0*
Sex				
Female	42	*45.7*	61	*44.2*
Male	50	*54.4*	77	*55.8*
Age				
Below 20	1	*1.1*	1	*0.7*
20-21	41	*44.6*	55	*39.9*
22-24	12	*13.0*	24	*17.4*
25-29	17	*18.5*	26	*18.8*
Over 29	21	*22.8*	32	*23.2*
Program				
Liberal Arts	30	*32.6*	47	*34.1*
Business	21	*22.8*	30	*21.7*
Health Services	9	*9.8*	14	*10.1*
Public Services	6	*6.5*	9	*6.5*
Technology	25	*27.2*	37	*26.8*
Other	1	*1.1*	1	*0.7*
Degree				
Certificate of Completion	7	*7.6*	7	*5.1*
Certificate of Achievement	21	*22.8*	34	*24.6*
Associate of Science	33	*35.9*	49	*35.5*
Associate of Arts	30	*32.6*	47	*34.1*
Other	1	*1.1*	1	*0.7*
Grade Point Average				
3.5 and above	15	*16.3*	23	*16.7*
3.0-3.4	38	*41.3*	49	*35.5*
2.0-2.9	33	*35.9*	54	*39.1*
Below 2.0	6	*6.5*	12	*8.7*

b. Semesters to Complete Degree

There were no statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. Close to a majority of graduates (46 percent) took 3-4 semesters, and about a fourth took 5-6 semesters.

Over three-fourths of the graduates (78 percent) completed their degrees without a break in attendance.

c. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 24 (27 percent) checked more than one activity. The most common activities are:

49	54%	Employed (36 or 40 percent, full-time)
22	24%	Enrolled in school and employed

There are 10 enrolled in school; 4, unemployed and looking for work; the remaining 5 are engaged in other activities.

The data in Table 16 further indicate that most graduates from business (81 percent) are employed.

TABLE 16
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: KAUAI COMMUNITY COLLEGE

```
                        CURFACT
                COUNT  I
              ROW PCT  IEMPLOYED IN SCH    EMPLOYED UNEMPL-- UNEMPL--  IN SCH & OTHER      ROW
                       IFULLTIME FULLTIME PARTTIME NOT LOOK LOOKING    WORKING MULT RES   TOTAL
                       I    1   I    2   I    3   I    6   I    7   I    9   I   10   I
MAJGRP         --------I--------I--------I--------I--------I--------I--------I--------I
                    60 I    6   I    7   I    4   I    0   I    2   I   10   I    1   I    30
  LIBERAL ARTS         I  20.0  I  23.3  I  13.3  I   0.0  I   6.7  I  33.3  I   3.3  I  33.3
                      -I--------I--------I--------I--------I--------I--------I--------I
                    62 I   13   I    1   I    4   I    1   I    0   I    1   I    1   I    21
  BUSINESS             I  61.9  I   4.8  I  19.0  I   4.8  I   0.0  I   4.8  I   4.8  I  23.3
                      -I--------I--------I--------I--------I--------I--------I--------I
                    64 I    5   I    1   I    1   I    1   I    1   I    0   I    0   I     9
  HEALTH  SERVICES     I  55.6  I  11.1  I  11.1  I  11.1  I  11.1  I   0.0  I   0.0  I  10.0
                      -I--------I--------I--------I--------I--------I--------I--------I
                    72 I    1   I    0   I    0   I    0   I    0   I    5   I    0   I     6
  PUBLIC  SERVICES     I  16.7  I   0.0  I   0.0  I   0.0  I   0.0  I  83.3  I   0.0  I   6.7
                      -I--------I--------I--------I--------I--------I--------I--------I
                    74 I   11   I    1   I    4   I    1   I    1   I    5   I    0   I    23
  TECHNOLOGY           I  47.8  I   4.3  I  17.4  I   4.3  I   4.3  I  21.7  I   0.0  I  25.6
                      -I--------I--------I--------I--------I--------I--------I--------I
                    79 I    0   I    0   I    0   I    0   I    0   I    1   I    0   I     1
  OTHER                I   0.0  I   0.0  I   0.0  I   0.0  I   0.0  I 100.0  I   0.0  I   1.1
                      -I--------I--------I--------I--------I--------I--------I--------I
               COLUMN      36       10       13        3        4       22        2        90
                TOTAL     40.0     11.1     14.4      3.3      4.4     24.4      2.2     100.0
RAW CHI SQUARE =    40.30508 WITH    30 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0901
NUMBER OF MISSING OBSERVATIONS =      2
```

d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 31 to 33, and percentages are based on the total for a particular item. The dominant characteristics are:

--61% (20) are now full-time students
--63% (20) are currently attending Kauai Community College
--42% (13) are seeking Bachelor's degrees; 8, Associate of Arts
--16% (5) are majoring in liberal arts; 4 each, business and technology.

The results of chi-square analysis are not presented because the number of students is small.

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 69 to 73, and percentages are based on the total for a particular item.

The dominant characteristics are:

--69% (50) are working full-time
--34% (24) are in clerical/sales occupations; 27% (19), service occupations
--full-time only: 25% (12) have annual incomes of $6,000-$7,499; 22% (11), $3,000-$5,999; 18% (9), $7,500-$9,999
--52% (38) have been employed in their present positions for less than a year
--52% (38) are working for private industry
--92% (66) are working on Kauai
--36% (26) learned of their jobs through personal applications to employers; 26% (19), referrals of friends and relatives
--33% (24) feel that their present jobs are the type in which they will probably make their career; 27% (20) feel "definitely will" make their career
--46% (33) feel their work is not at all related to their major field of study; especially liberal arts graduates (65%). Of the 32 who indicated a reason for "not at all related", 53% did not look for a job related to their major.

There were statistically significant differences, by program, on job/major relatedness.[12]

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[12] Results of chi-square analysis disregarded because many cells were zero: occupation, employer and employment location.

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items—one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1d, 2d and 3d in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

89	To broaden my educational background
82	To get a degree
81	To gain specific knowledge for my personal use
78	To make new friends and meet new people
74	To prepare for a career.

Bottom Five:

37	To meet academic requirements for further schooling
39	To increase promotion chances
42	To prepare for a career change
44	To become actively involved in student activities
50	To improve knowledge and skills required in present job.

(c) At least a majority of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

64%	To broaden educational background
62%	To gain specific knowledge for my personal use
60%	To get a degree
58%	To prepare for a career
55%	To make new friends and meet new people.

All five of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

21%	To prepare for a career change
18%	To increase my promotion chances
16%	To become actively involved in student activities.

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 3 out of 13 goals.*

See details below:[13]

Goal	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
To discover my vocational interest*	48% technology	14% liberal arts
To prepare for a career, i.e., acquire specific skills and knowledge**	74% technology	40% liberal arts
To become actively involved in student life and campus activities*	64% liberal arts	10% business

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[13] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (One area was so rated by 11 percent of the graduates: availability of necessary courses. Other areas received lower percentages.)

(b) At least a plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

59%	Helpfulness of instructors in assisting with career development
53%	Knowledge gained from courses in major
46%	Accessibility of instructors.

(c) A majority of graduates rated as "somewhat satisfactory" the following areas:

52%	Skills gained from all courses
52%	Overall quality of instruction.

(d) The total experience at college was rated:

Very satisfied	46%
Somewhat satisfied	49%
Somewhat dissatisfied	3%
Very dissatisfied	1%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 1 out of 9 items.* On availability of necessary courses, the range of "very satisfied" responses was: 41% (technology) to 14% (liberal arts).

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 80 or more students rated the following services: parking, bookstore, registration, library. Under 30 graduates rated housing services, health services, athletic facilities, cafeteria/food services.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The plurality of graduates rated 6 services as "very satisfied":

59%	library
46%	admissions
45%	financial aid services
45%	student employment
45%	bookstore
45%	business office

(d) Half of the graduates rated testing services as "somewhat satisfied."

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

50%	athletic facilities
27%	parking
23%	student employment
22%	cafeteria/food services

(f) *Respondents, by program, did not differ significantly in their assessment of the 22 services.*

5. Leeward Community College

a. Representativeness Data

Out of the 580 graduates, 414 (71 percent) completed the questionnaire. Respondents were representative of the graduate population on four characteristics--sex, age at the end of 1977, program and grade point average--out of five. We found a slightly higher proportion of A.A. recipients among respondents than in the graduate population.

The data in Table 17 indicate that the dominant characteristics of the respondents were:

--51% female
--33% over 29 years old at the end of 1977; 27%, 22-24 years
--61% liberal arts graduates
--61% A.A. recipients
--39% grade point average of 2.0-2.9; 30% each, 3.5 and above, 3.0-3.4.

TABLE 17
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: LEEWARD COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus: * .05 ** .01 *** .001

Characteristic	Respondents		Graduate Population	
	No.	V%	No.	V%
TOTAL	414	100.0	580	100.0
Sex				
Female	212	51.2	287	49.5
Male	202	48.8	293	50.5
Age				
Below 20	3	0.7	4	0.7
20-21	108	26.1	142	24.5
22-24	112	27.1	156	26.9
25-29	55	13.3	85	14.7
Over 29	136	32.9	193	33.3
Program				
Liberal Arts	252	60.9	342	59.0
Business	104	25.1	145	25.0
Hotel/Food Services	10	2.4	18	3.1
Public Services	15	3.6	22	3.8
Technology	33	8.0	53	9.1
Degree*				
Certificate of Completion	7	1.7	17	2.9
Certificate of Achievement	45	10.9	62	10.7
Associate of Science	108	26.1	156	26.9
Associate of Arts	254	61.4	345	59.5
Grade Point Average				
3.5 and above	123	29.7	163	28.1
3.0-3.4	125	30.2	193	33.3
2.0-2.9	163	39.4	219	37.8
Below 2.0	3	0.7	5	0.9

b. Semesters to Complete Degree

There were no statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. The majority of graduates (42 percent) took 5-6 semesters or (30 percent) 3-4 semesters.

About four-fifths of the graduates (81 percent) completed their degrees without a break in attendance.

c. Current Activities

Graduates were asked to check all the activities in which they are currently engaged, and 181 (44 percent) checked more than one activity. The most common activities are:

146	35%	Enrolled in school and working
132	32%	Employed (114 or 28 percent, full-time)
67	16%	Enrolled in school.

There are 23 who are unemployed and looking for work; the remaining 46 are engaged in other activities.

The data in Table 18 further indicate that a plurality of (1) liberal arts graduates are enrolled in school and working and (2) business graduates are employed.

TABLE 18
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: LEEWARD COMMUNITY COLLEGE

COUNT ROW PCT	EMPLOYED FULLTIME 1	IN SCH FULLTIME 2	EMPLOYED PARTTIME 3	IN SCH PARTTIME 4	ACTIVE MILITARY 5	UNEMPL-- NOT LOOK 6	UNEMPL-- LOOKING 7	IN SCH & WORKING 9	OTHER MULT RES 10	ROW TOTAL
MAJGEP										
60 LIBERAL ARTS	44 17.5	51 20.2	10 4.0	3 1.2	1 0.4	5 2.0	9 3.6	105 41.7	24 9.5	252 60.9
62 BUSINESS	43 41.3	9 8.7	5 4.8	1 1.0	0 0.0	4 3.8	10 9.6	23 22.1	9 8.7	104 25.1
66 HOTEL & FOOD SVS	4 40.0	0 0.0	0 0.0	1 10.0	0 0.0	0 0.0	0 0.0	4 40.0	1 10.0	10 2.4
72 PUBLIC SERVICES	4 26.7	2 13.3	1 6.7	0 0.0	0 0.0	1 6.7	1 6.7	6 40.0	0 0.0	15 3.6
74 TECHNOLOGY	19 57.6	0 0.0	2 6.1	0 0.0	0 0.0	0 0.0	3 9.1	8 24.2	1 3.0	33 8.0
COLUMN TOTAL	114 27.5	62 15.0	18 4.3	5 1.2	1 0.2	10 2.4	23 5.6	146 35.3	35 8.5	414 100.0

RAW CHI SQUARE = 71.98430 WITH 32 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0001

d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 223 to 238, and percentages are based on the total for a particular item. The dominant characteristics are:

--70% (166) are full-time students
--49% (116) are currently attending UH Manoa; 26% (62), Leeward
--74% (176) are seeking Bachelor's degrees
--19% (42) are majoring in business administration; 35, social sciences; 23, humanities.

Respondents, by program, differed significantly in their current educational objective. A very high proportion of (1) liberal arts graduates are seeking Bachelor's degrees and (2) technology graduates are seeking A.S. degrees. (Chi-square analysis on current school and current major disregarded.)

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 274 to 287, and percentages are based on the total for a particular item.

The dominant characteristics are:

--65% (185) are working full-time; especially technology graduates (83 percent)
--42% (117) are in clerical/sales occupations; 26% (72), service occupations
--full-time only: 22% (38) have annual incomes of $10,000-$14,999; 20% (34), $3,000-$5,999; 17% (29), $15,000-$19,999
--40% (116) have been employed in their present positions for less than a year; especially, business (52%) and technology (50%) graduates
--49% (137) are working for private industry; 17% (47), federal government
--91% (261) are working on Oahu
--40% (112) learned of their jobs through personal applications to employers; 19% (53), referrals of friends and relatives
--31% (87) feel that their present jobs are the type in which they will probably make their career; 26% (73) feel "definitely will not" make their career. The former was especially true of business and public services majors; the latter, of liberal arts majors.
--45% (128) feel their work is not at all related to their major field of study; especially, liberal arts graduates (60%). Of the 124 who indicated a reason for "not at all related", 65% did not look for a job related to their major.

There were statistically significant differences, by program, on: employment status, length of employment, job/career relationships and job/major relatedness.[14]

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with satisfaction regarding various campus services. Figures 1e, 2e and 3e in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

402	To broaden my educational background
396	To get a degree
374	To gain specific knowledge for my personal use
352	To prepare for a career
320	To discover my vocational interest.

Bottom Five:

169	To increase promotion chances
180	To become actively involved in student activities
190	To improve knowledge and skills required in present job
219	To prepare for a career change
266	To gain practical experience in an occupational field.

---

[14] Results of chi-square analysis disregarded because many cells were zero: occupation, annual income of full-time employees, employer and job source.

(c) At least a majority of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

73%	To get a degree
72%	To meet academic requirements for further schooling
68%	To broaden educational background
60%	To gain specific knowledge for my personal use
51%	To make new friends and meet new people

Three of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

31%	To become actively involved in student activities
24%	To increase my promotion chances
23%	To gain practical experience in an occupational field
22%	To discover my vocational interest
20%	To improve knowledge and skills required in present job
17%	To prepare for a career change

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 8 out of 13 goals.*

See details below:[15]

Goal	Range: Percent of Graduates Who Indicated "Campus was a great deal of help" in Goal Attainment	
To broaden my educational background***	90% hotel/food svcs.	50% technology
To prepare for a career, i.e., acquire specific skills and knowledge**	90% hotel/food svcs.	36% liberal arts
To improve my knowledge and technical skills required in my present job**	65% technology	27% liberal arts
To gain practical experience in an occupational field*	62% public svcs.	26% liberal arts
To meet academic requirements necessary for admittance to a four-year or graduate/professional school***	79% liberal arts	9% technology
To gain specific knowledge for my personal use or interest*	64% liberal arts	50% business; public svcs.
To make new friends and meet new people*	56% liberal arts	33% public svcs.
To improve my self-image**	50% liberal arts	36% public svcs.

---

[15] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (Three areas were so rated by 4 percent of the graduates: availability of necessary courses, helpfulness of instructors in career development, quality of labs/studios/support facilities. Other areas received lower percentages.)

(b) A plurality of graduates rated the following areas of their college experience most favorably ("very satisfied"):

58%	Total college experience
54%	Knowledge gained from courses in major
52%	Knowledge gained from general education courses
50%	Accessibility of instructors
48%	Overall quality of instruction (46%, "somewhat satisfied")

(c) A majority of graduates rated as "somewhat satisfactory" the following areas:

54%	Skills gained from all courses
51%	Quality of labs/studios/support facilities

(d) The total experience at college was rated:

Very satisfied	58%
Somewhat satisfied	40%
Somewhat dissatisfied	2%
Very dissatisfied	0%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 4 out of 9 items.*

Details are given below:

Area	Range: Percent of Graduates Who Indicated "very satisfied"	
Knowledge gained from general education (core) courses***	61% liberal arts	32% technology
The overall quality of instruction*	53% liberal arts; public svcs.	38% business
Availability of courses offered that you needed*	50% technology	37% business
The accessibility of instructors**	57% public svcs.	39% business

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 375 or more students rated the following services: registration, bookstore, admissions, library, parking, physical facilities. Under 135 graduates rated housing services, placement office, financial aid services, student employment and athletic facilities.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The majority of graduates rated 3 services as "very satisfied":

67%	physical facilities
55%	parking
54%	library

(d) The majority of graduates rated 7 services as "somewhat satisfied":

60%	campus center and recreational activities
58%	cafeteria/food services
55%	business office
54%	testing services
53%	learning centers
52%	bookstore
51%	orientation

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

29%	housing services
24%	athletic facilities
22%	placement office
18%	student employment

(f) *Respondents, by program, differed significantly in their assessment of 3 out of 22 services.*

See details below:

Service	Range: Percent of Graduates Who Indicated "very satisfied"	
Cafeteria, food services*	70% hotel/food svcs.	17% business; public svcs.
Library**	67% public svcs.	37% technology
Physical facilities: buildings and grounds*	71% liberal arts	50% technology

6. Maui Community College

a. Representativeness Data

Out of the 156 graduates, 99 (64 percent) completed the questionnaire.[17] Respondents were representative of the graduate population on all five characteristics--sex, age at the end of 1977, program, degree and grade point average. The data in Table 19 indicate that the dominant characteristics of the respondents were:

--61% female
--55% 20-21 years old at the end of 1977
--48% business graduates; 23%, liberal arts
--61% A.S. recipients
--37% grade point average of 2.0-2.9; 36%, 3.5 and above.

TABLE 19
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: MAUI COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	99	*100.0*	156	*100.0*
Sex				
Female	60	*60.6*	86	*55.1*
Male	39	*39.4*	70	*44.9*
Age				
Below 20	1	*1.0*	3	*1.9*
20-21	54	*54.6*	75	*48.1*
22-24	19	*19.2*	32	*20.5*
25-29	12	*12.1*	25	*16.0*
Over 29	13	*13.1*	21	*13.5*
Program				
Liberal Arts	23	*23.2*	43	*27.6*
Business	47	*47.5*	65	*41.7*
Health Services	6	*6.1*	8	*5.1*
Public Services	4	*4.0*	5	*3.2*
Technology	19	*19.2*	35	*22.4*
Degree				
Certificate of Achievement	16	*16.2*	29	*18.6*
Associate of Science	60	*60.6*	84	*53.8*
Associate of Arts	23	*23.2*	43	*27.6*
Grade Point Average				
3.5 and above	36	*36.4*	49	*31.4*
3.0-3.4	26	*26.3*	50	*32.1*
2.0-2.9	37	*37.4*	57	*36.5*

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[17] In addition, 30 questionnaires were lost in transit.

b. Semesters to Complete Degree

There were no statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. The majority of graduates (58 percent) took 3-4 semesters.

Over four-fifths of the graduates (83 percent) completed their degrees without a break in attendance.

c. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 21 (21 percent) checked more than one activity. The most common activities are:

52	53%	Employed (46, full-time)
18	18%	Enrolled in school and employed.

There are an additional 15 enrolled in school; 5 who are unemployed and looking for work; the remaining 9 are engaged in other activities.

The data in Table 20 further indicate that the majority of graduates are employed, with the exception of those in liberal arts who, in the main, are continuing their schooling.

TABLE 20
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: MAUI COMMUNITY COLLEGE

```
               COUNT  I
             ROW PCT  IEMPLOYED  IN SCH    EMPLOYED  IN SCH    UNEMPL--  UNEMPL--  IN SCH &  OTHER        ROW
                      IFULLTIME  FULLTIME  PARTTIME  PARTTIME  NOT LOOK  LOOKING   WORKING   MULT RFS     TOTAL
                      I     1   I     2   I     3   I     4   I     6   I     7   I     9   I    10   I
MAJGRP       ---------I---------I---------I---------I---------I---------I---------I---------I---------I
                   60 I     3   I    12   I     0   I     1   I     1   I     1   I     5   I     0   I     23
  LIBERAL ARTS        I  13.0   I  52.2   I   0.0   I   4.3   I   4.3   I   4.3   I  21.7   I   0.0   I   23.2
                     -I---------I---------I---------I---------I---------I---------I---------I---------I
                   62 I    27   I     1   I     5   I     0   I     2   I     3   I     7   I     2   I     47
  BUSINESS            I  57.4   I   2.1   I  10.6   I   0.0   I   4.3   I   6.4   I  14.9   I   4.3   I   47.5
                     -I---------I---------I---------I---------I---------I---------I---------I---------I
                   64 I     3   I     0   I     1   I     0   I     2   I     0   I     0   I     0   I      6
  HEALTH  SERVICES    I  50.0   I   0.0   I  16.7   I   0.0   I  33.3   I   0.0   I   0.0   I   0.0   I    6.1
                     -I---------I---------I---------I---------I---------I---------I---------I---------I
                   72 I     3   I     0   I     0   I     0   I     0   I     1   I     0   I     0   I      4
  PUBLIC  SERVICES    I  75.0   I   0.0   I   0.0   I   0.0   I   0.0   I  25.0   I   0.0   I   0.0   I    4.0
                     -I---------I---------I---------I---------I---------I---------I---------I---------I
                   74 I    10   I     1   I     0   I     0   I     1   I     0   I     6   I     1   I     19
  TECHNOLOGY          I  52.6   I   5.3   I   0.0   I   0.0   I   5.3   I   0.0   I  31.6   I   5.3   I   19.2
                     -I---------I---------I---------I---------I---------I---------I---------I---------I
              COLUMN        46        14         6         1         6         5        18         3        99
               TOTAL      46.5      14.1       6.1       1.0       6.1       5.1      18.2       3.0     100.0
RAW CHI SQUARE =    65.51932 WITH    28 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0001
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d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 29 to 32, and percentages are based on the total for a particular item. The dominant characteristics are:

- --75% (24) are now full-time students
- --50% (16) are currently attending Maui Community College; 31% (10), UH Manoa
- --52% (16) are seeking Bachelor's degrees
- --14% each (4) are majoring in business administration and other; 3 each, social sciences, agriculture.

Results of chi-square analysis are disregarded because the numbers are small.

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses ranged from 68 to 71, and percentages are based on the total for a particular item.

The dominant characteristics are:

- --70% (50) are working full-time
- --59% (41) are in clerical/sales occupations
- --full-time only: 25% (12) have annual incomes of $6,000-$7,499; 17% each (8), below $3,000, $3,000-$5,999 and $7,500-$9,999
- --69% (49) have been employed in their present positions for less than a year
- --49% (33) are working for private industry; 21% (14), tourist industry
- --86% (61) are working on Maui
- --27% each (19) learned of their jobs through referrals of friends and relatives and through personal applications to employers
- --35% (25) feel that their present jobs are the type in which they will probably make their career; 23% (16) feel "definitely will" make their career.
- --44% (31) feel their work is related to their major field of study; 34% (24), "not at all related." The latter was especially true of technology graduates (53 percent). Of the 24 who indicated "not at all related", 63% did not look for a job related to their major.

There were statistically significant differences, by program, on: job/major relatedness.[18]

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[18] Results of chi-square analysis disregarded because many cells were zero: occupation, employer, employment location and job source.

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1f, 2f and 3f in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top five and bottom five are given below:

Top Five:

97	To broaden my educational background
93	To prepare for a career
90	To get a degree
88	To gain specific knowledge for my personal use
87	To make new friends and meet new people.

Bottom Five:

44	To meet academic requirements for further schooling
47	To increase promotion chances
58	To become actively involved in student activities
64	To improve knowledge and skills required in present job
77	To improve my self-image.

(c) At least half of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

78%	To get a degree
58%	To broaden educational background
55%	To meet academic requirements for further schooling
51%	To prepare for a career
50%	To gain specific knowledge for my personal use.

Four of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

32%	To increase my promotion chances
28%	To become actively involved in student activities
17%	To improve knowledge and skills required in present job.

(e) *Respondents, by program, differed significantly in their assessment of campus helpfulness in attaining 1 out of 13 goals.* On "make new friends and meet new people", the proportions who indicated "the campus was a great deal of help" ranged from 53% (technology) to 40% (liberal arts).[19]

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (One area was so rated by 5 percent of the graduates: availability of necessary courses. Other areas received lower percentages.)

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[19] Includes only those programs which had 10 or more respondents. Levels of significance, based on chi-square analysis, denoted thus: *.05, **.01, ***.001. These apply to similar presentations in this section.

(b) At least half of the graduates rated the following areas of their college experience most favorably ("very satisfied"):

64%	Knowledge gained from courses in major
54%	Helpfulness of instructors in assisting with career development
50%	Accessibility of instructors.

(c) At least half of the graduates rated as "somewhat satisfactory" the following areas:

54%	Knowledge gained from general education courses
52%	Overall quality of instruction
50%	Total college experience.

(d) The total experience at college was rated:

Very satisfied	49%
Somewhat satisfied	50%
Somewhat dissatisfied	1%
Very dissatisfied	0%

(e) *Respondents, by program, differed significantly in their assessment of their college experiences on 2 out of 9 items.*

Details are given below:

Area	**Range: Percent of Graduates Who Indicated "very satisfied"**	
Accessibility of instructors**	83% liberal arts	32% business
Quality of laboratories, studios, support facilities*	47% technology	36% business

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 90 or more students rated the following services: bookstore, library, registration, admissions, parking, physical facilities. Under 35 graduates rated housing services, health services.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) At least half of the graduates rated 7 services as "very satisfied":

66% library
61% cafeteria/food services
52% admissions
51% registration
50% financial aid services
50% student employment
50% business office

(d) The majority of graduates rated 6 services as "somewhat satisfied":

59% orientation
55% placement office
54% physical facilities
52% records
52% learning centers
51% testing services

(e) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

20% housing services
17% athletic facilities

(f) *Respondents, by program, differed significantly in their assessment of 6 out of 22 services.*

See details below:

Service	Range: Percent of Graduates Who Indicated "very satisfied"	
Records**	55% liberal arts	20% technology
Financial aid services*	68% business	27% liberal arts
Placement office*	44% liberal arts	30% business
Campus center and recreational activities*	41% business	18% technology
Bookstore**	54% business	11% technology
Business office*	56% business	20% technology

7. Windward Community College

a. Representativeness Data

Out of the 74 graduates, 59 (80 percent) completed the questionnaire. Respondents were representative of the graduate population on all five characteristics--sex, age at the end of 1977, program, degree and grade point average. The data in Table 21 indicate that the dominant characteristics of the respondents were:

--57% female
--39% over 29 years at end of 1977; 27%, 20-21 years
--95% liberal arts graduates
--95% A.A. recipients
--56% grade point average of 3.5 and above.

In view of the predominance of liberal arts graduates, no analysis, by program, will be made.

TABLE 21
CHARACTERISTICS OF RESPONDENTS AND OF GRADUATE POPULATION
1976-77: WINDWARD COMMUNITY COLLEGE

Note: Based on chi-square analysis, levels of significance denoted thus:
* .05 ** .01 *** .001

Characteristic[a]	Respondents No.	Respondents V%	Graduate Population No.	Graduate Population V%
TOTAL	59	100.0	74	100.0
Sex				
Female	34	57.3	43	58.1
Male	24	40.7	30	40.5
Age				
Below 20				
20-21	16	27.1	20	27.0
22-24	10	17.0	14	18.9
25-29	9	15.3	14	18.9
Over 29	23	39.0	25	33.8
Program				
Liberal Arts	56	94.9	70	94.6
Business	3	5.1	4	5.4
Degree				
Certificate of Completion	2	3.4	3	4.1
Certificate of Achievement	1	1.7	1	1.4
Associate of Arts	56	94.9	70	94.6
Grade Point Average				
3.5 and above	33	55.9	37	50.0
3.0-3.4	21	35.6	29	39.2
2.0-2.9	4	6.8	7	9.5
Below 2.0	1	1.7	1	1.4

[a] Sum of the parts may not equal the total because "no data" is excluded: respondents, sex (1), age (1); for graduate population, sex (1), age (1).

b. Semesters to Complete Degree

There were no statistically significant differences, by program, on the number of semesters taken by graduates to complete their degrees. Almost half of the graduates (48 percent) took 5-6 semesters, and about a third, 3-4 semesters.

Over four-fifths of the graduates (86 percent) completed their degrees without a break in attendance.

c. Current Activities

Graduates were requested to check all the activities in which they are currently engaged, and 25 (42 percent) checked more than one activity. The most common activities are:

21	36%	Enrolled in school (18 or 31%, full-time)
20	34%	Enrolled in school and employed

There are an additional 10 graduates who are employed full-time; the remaining 8 are engaged in other activities. (Table 22)

TABLE 22
CURRENT ACTIVITIES OF GRADUATES, BY PROGRAM
1976-77 GRADUATES: WINDWARD COMMUNITY COLLEGE

COUNT ROW PCT	EMPLOYED FULLTIME 1	IN SCH FULLTIME 2	IN SCH PARTTIME 4	UNEMPL-- NOT LOOK 6	UNEMPL-- LOOKING 7	IN SCH & WORKING 9	OTHER MULT RES 10	ROW TOTAL
MAJGRP								
60 LIBERAL ARTS	9 16.1	17 30.4	3 5.4	2 3.6	1 1.8	19 33.9	5 8.9	56 94.9
62 BUSINESS	1 33.3	1 33.3	0 0.0	0 0.0	0 0.0	1 33.3	0 0.0	3 5.1
COLUMN TOTAL	10 16.9	18 30.5	3 5.1	2 3.4	1 1.7	20 33.9	5 8.5	59 100.0

RAW CHI SQUARE = 1.09844 WITH 6 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9816

d. Details: Attending School

Graduates currently attending school were requested to answer four questions about their schooling. The number of responses ranged from 44 to 46, and percentages are based on the total for a particular item. The dominant characteristics are:

--76% (34) are now full-time students
--71% (32) are currently attending UH Manoa
--83% (38) are seeking Bachelor's degrees
--23% (10) are majoring in humanities; 9, social sciences; 4, business administration.

e. Details: Employed

Graduates currently employed were requested to answer ten questions regarding their employment. The number of responses was 30 or 31, and percentages are based on the total for a particular item.

The dominant characteristics are:

--52% (16) are working full-time
--39% (12) are in clerical/sales occupations; 29% (9), service occupations
--full-time only: 44% (7) have annual incomes of $15,000-$19,999; 19% (3), $6,000-$7,499
--52% (16) have been employed in their present positions for less than a year
--42% (13) are working for private industry; 19% (6), state government
--84% (26) are working on Oahu
--40% (12) learned of their jobs through personal applications to employers; 17% each (5), through referrals of friends and relatives and other sources
--39% (12) feel that their present jobs are the type in which they will probably make their career; 29% (9) feel "probably won't make" their career
--57% (17) feel their work is not at all related to their major field of study. There were 18 who indicated their reason for "not at all related": 67% did not look for a job related to their major.

f. Evaluation of College Experience

Graduates were asked to evaluate their community college experience by reacting to three sets of items--one dealing with campus helpfulness in attaining their educational goals, the second with their satisfaction regarding various areas of instruction and the third with their satisfaction regarding various campus services. Figures 1g, 2g and 3g in Appendix C show the responses of students.

A few highlights are presented below:

(1) Campus Helpfulness

(a) There was a range in student responses regarding their goals and the helpfulness of their campuses in attaining their goals.

(b) Students indicated which of 13 goals were important to them. The top six and bottom five are given below:

Top Six:

59 To broaden my educational background
58 To get a degree
54 To gain specific knowledge for my personal use
52 To meet academic requirements for further schooling
50 To prepare for a career
50 To improve my self-image.

Bottom Five:

19 To increase promotion chances
25 To gain practical experience in an occupational field
26 To improve knowledge and skills in my present job
29 To become actively involved in student activities
32 To prepare for a career change.

(c) At least half of the graduates rated their campus most favorably ("a great deal of help") in attaining the following goals:

89% To meet academic requirements for further schooling
85% To get a degree
85% To broaden educational background
69% To gain specific knowledge for my personal use
67% To make new friends and meet new people.

Four of the above goals were among the top five in importance to graduates.

(d) At least 15 percent of the graduates rated their campus least favorably ("not of much help") in attaining the following goals:

48% To gain practical experience in an occupational field
42% To increase my promotion chances
35% To improve knowledge and skills required in present job
28% To become actively involved in student activities
28% To prepare for a career change
24% To discover my vocational interest
18% To prepare for a career.

(2) College Experience

(a) The large majority of graduates indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (Two areas were so rated by 7 percent of the graduates: knowledge gained from courses in major and availability of necessary courses. Other areas received lower percentages.)

(b) A majority of graduates rated the following areas of their college experience most favorably ("very satisfied"):

86% Accessibility of instructors
76% Overall quality of instruction
75% Total college experience
71% Knowledge gained from general education courses
58% Helpfulness of instructors in assisting with career development
55% Skills gained from all courses.

(c) A half of the graduates rated as "somewhat satisfactory": Quality of labs/studios/support facilities.

(d) The total experience at college was rated:

Very satisfied	75%
Somewhat satisfied	25%
Somewhat dissatisfied	0%
Very dissatisfied	0%

(3) College Services

(a) There was quite a range in the number of students who indicated "never used this service or service not available." At least 50 or more students rated the following services: registration, bookstore, physical facilities, admissions, library and parking. Under 20 graduates rated housing services, health services, placement office, testing services, student employment.

(b) There was a range in student responses regarding their satisfaction with various college services.

(c) The majority of graduates rated 13 services as "very satisfied":

74%	personal counseling
72%	admissions
70%	career counseling/advising
70%	library
68%	financial aid
67%	testing services
61%	parking
60%	physical facilities
59%	student employment
56%	academic advising
54%	business office
53%	registration
52%	records

(d) The services rated as "very dissatisfied" by 15 percent or more of the graduates are:

39%	cafeteria/food services
15%	athletic facilities

E. Summary and Conclusion

Section C of this report summarizes the findings of the 1976-77 Alumni Survey, by program. This section summarizes these findings, by campus; compares them, when feasible, with data on 1975-76 graduates; and presents some concluding comments.

1. Summary of Findings, by Campus[19]

a. Rate of Return: 1,535 respondents or 65 percent; ranging from Windward (80 percent) to Kapiolani (59 percent). These rates of return make it possible to conduct meaningful analyses for the campuses.[20]

b. Representativeness: The respondents on 4 campuses--Honolulu, Kauai, Maui and Windward--were representative of their graduate population on all characteristics (sex, age at the end of 1977, program, degree and grade point average).

c. Semesters to Complete Degree: The plurality (40 percent, 601 graduates) of total respondents took 3-4 semesters to complete their degree. The proportions, by campus, who did so ranged from 58 percent (Maui) to 30 percent (Leeward).

Degrees were completed without a break in attendance by 84 percent of the total respondents, ranging from 88 percent (Kapiolani) to 78 percent (Kauai).

d. Current Activity: The most common activities are: (1) employed, full-or part-time, for the total (48 percent) and for 6 campuses, ranging from 63 percent of Kapiolani's graduates to 32 percent of Leeward's; (2) enrolled in school (36 percent) for Windward's graduates.

e. Details: Graduates Attending School in Fall 1977: Number of responses ranged from 601 to 648; percentages are based on the total for a particular item.

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[19] No statistical tests of significance are cited because there was a significant difference between respondents and non-respondents, by campus.

[20] In addition, there were 34 questionnaires returned, but they came in too late to be included in this summary. Furthermore, 30 questionnaires from Maui were lost in transit.

(1) Status:[21] The majority are full-time students: 69 percent for the total, ranging from 87 percent of Hawaii's graduates to 57 percent of Kapiolani's.

(2) Current school: University of Hawaii at Manoa is the most popular for the total (39 percent) and for graduates from Windward (71 percent), Kapiolani (51 percent) and Leeward (49 percent). At least a plurality of graduates from the other colleges are now re-enrolled at those same colleges: Hawaii (47 percent), Honolulu (58 percent), Kauai (63 percent) and Maui (50 percent).

(3) Educational objective: The Bachelor's degree is the objective most commonly selected: 59 percent for the total, ranging from 83 percent of Windward's graduates to 33 percent of Hawaii's.

(4) Current major: There is a wide diversity in current majors. The two most common majors are social sciences (14 percent) and business administration (13 percent) for the total, for Kapiolani (17 percent each) and Leeward (16 and 19 percent, respectively). A plurality of graduates from the remaining campuses have the following majors: technology for Hawaii (34 percent) and Honolulu (31 percent); liberal arts for Kauai (16 percent); business administration for Maui (14 percent); humanities for Windward (23 percent).

f. Details: Graduates Employed in Fall 1977: Number of responses ranged from 1,119 to 1,168; percentages are based on the total for a particular item.

(1) Status: A great majority are full-time employees; 70 percent for the total, ranging from 75 percent of Kapiolani's graduates to 52 percent of Windward's.

(2) Occupation: A plurality of graduates are employed in clerical/sales occupations for the total (38 percent) and 6 campuses, ranging from 59 percent of Maui's graduates to 34 percent of Kauai's. A plurality of graduates from Honolulu (38 percent) are in service occupations.

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[21] Report No. 22 on the results of the 1975-76 Alumni Survey inadvertently indicated that the majority of graduates were part-time students; this should have been "full-time."

(3) Annual income of full-time employees only: Data on annual income are available for 776 graduates. A plurality of graduates have annual incomes of: (a) $6,000-$7,499 for the total (21 percent or 162), Kauai (25 percent) and Maui (25 percent); (b) $3,000-$5,999 for Hawaii (26 percent); (c) $7,500-$9,999 for Kapiolani (34 percent); (d) $10,000-$14,999 for Honolulu (26 percent) and Leeward (22 percent); (e) $15,000-$19,999 for Windward (44 percent or 7 graduates).

(4) Length of employment: Many have been employed in their present positions for less than a year; 51 percent of the total respondents, ranging from 69 percent of Maui's to 40 percent of Leeward's graduates.

(5) Current employer: A plurality of employed graduates are working in private industry for the total (54 percent) and for all 7 campuses, ranging from 60 percent of Hawaii's graduates to 42 percent of Windward's.

(6) Location: A great majority are working on Oahu for the total (69 percent) and for the 4 Oahu colleges, ranging from 93 percent of Kapiolani's graduates to 84 percent of Windward's. Employed graduates from the Neighbor Island colleges are remaining on their islands to work: Hawaii (90 percent), Kauai (92 percent), Maui (86 percent).

(7) Job source: Graduates generally learned of their jobs through two sources: personal applications to employers (28 percent) and referrals from friends and relatives (25 percent). Graduates from all 7 campuses identified these two sources most often. The proportions selecting (a) the first source ranged from 40 percent for Leeward's and Windward's graduates to 19 percent for Hawaii's; (b) the second source ranged from 33 percent of Hawaii's graduates to 17 percent of Windward's.

(8) Job/career relationship: A plurality of employed graduates feel that their jobs are the type in which they will probably make their career. This is true for the total (34 percent) and for 6 campuses, ranging from 40 percent of Kapiolani's graduates to 31 percent of Leeward's. A plurality of graduates from Honolulu (31 percent) feel that their jobs are the type in which they will definitely make their career.

(9) Job/major relationship: A plurality of graduates (41 percent) feel their jobs are in their major fields of study. This is true for graduates from Hawaii (43 percent), Kapiolani (60 percent) and Maui (44 percent). Equal proportions (38 percent) of Honolulu's graduates indicated (a) a relationship between job and major and (b) no relationship. A plurality of graduates

indicated no relationship from Kauai (46 percent), Leeward (45 percent) and Windward (57 percent).

Of the 393 respondents who selected a reason for no relationship between job and major field of study, 52 percent indicated "I did not look for a job related to my major." This reason was selected by a majority of the respondents from Kapiolani (53 percent), Kauai (53 percent), Leeward (65 percent), Maui (63 percent) and Windward (67 percent). Respondents from Hawaii (63 percent) and Honolulu (50 percent) indicated "I looked, but could not find a job related to my major."

g. Evaluation of College Experience:

Graduates were asked to evaluate their community college experience by reacting to three sets of items: campus helpfulness in attaining their educational goals, their satisfaction regarding various areas of instruction and their satisfaction regarding 22 campus services.

(1) Campus Helpfulness in Goal Attainment (Table 23)

(a) Students indicated which of 13 goals were important to them. Four goals were among the top five for the total and for most of the community colleges:

- To broaden my educational background
- To get a degree (This was the top goal for the total and for each of the seven colleges.)
- To prepare for a career
- To gain specific knowledge for my personal use or interest.

Noteworthy is the fact that graduates had desires for both a liberal and vocational education.

(b) At least a majority of graduates for the total and for the seven colleges rated their campus most favorably ("a great deal of help") in attaining one goal: to get a degree. This sentiment was expressed by 71 percent of the total respondents, ranging from 85 percent of Windward's to 60 percent of Kauai's.

TABLE 23
HELPFULNESS OF CAMPUS IN REACHING GOALS, BY CAMPUS

Note: Percentages indicate the proportion of students who checked "this campus was a *great deal* of help" in reaching each of 13 goals. Other choices were "this campus was of *some* help" and "this campus was *not of much* help." (Excludes students who checked "this was not a goal of mine.")

Goal	Total	Haw	Hon	Kap	Kauai	Lee	Maui	Win
Get a degree	71%	69%	71%	67%	60%	73%	78%	85%
Broaden educational background	58%	42%	58%	50%	64%	68%	58%	85%
Discover vocational interest	37%	35%	42%	38%	42%	35%	32%	26%
Prepare for a career	51%	50%	54%	60%	58%	43%	51%	32%
Prepare for a career change	34%	25%	37%	36%	31%	33%	40%	34%
Improve knowledge/skills	47%	43%	51%	54%	48%	37%	45%	27%
Gain practical experience	47%	53%	46%	54%	47%	36%	43%	20%
Increase promotion chances	35%	26%	46%	32%	46%	31%	36%	26%
Prepare for further education	56%	29%	48%	38%	46%	72%	55%	89%
Gain knowledge for personal use	51%	44%	51%	41%	62%	60%	50%	69%
Meet people and make friends	48%	56%	40%	40%	55%	51%	48%	67%
Engage in campus activities	22%	18%	12%	16%	34%	27%	28%	45%
Improve self image	39%	37%	40%	29%	49%	45%	44%	50%

(c) Two goals were among the top five in ratings of campus helpfulness for the total and for six colleges:

- To broaden educational background (58% of total, ranging from 85% for Windward to 50% for Kapiolani)
- To gain specific knowledge for my personal use or interest (51% of total, ranging from 69% for Windward to 44% for Hawaii).

(d) "To prepare for a career" was among the top five in ratings for the total (51 percent) and for five colleges (range: 60 percent for Kapiolani to 50 percent for Hawaii).

(2) College Experience (Table 24)

(a) The large majority of graduates on every campus indicated "very satisfied" or "somewhat satisfied" with all aspects of their college experience. Very few individuals indicated "very dissatisfied." (The highest proportion was 5 percent for the total, ranging from 11 percent for Kauai to 3 percent for Honolulu. In general, two items were so rated: quality of labs/studios/support facilities and availability of necessary courses.)

(b) A plurality of graduates rated the following areas of their college experience most favorably ("very satisfied") on at least 5 campuses:

Knowledge gained from courses in major (54% of total, ranging from 64% for Maui to 47 percent for Hawaii: 6 campuses)

Helpfulness of instructors in assisting with career development (47% of total, ranging from 59% for Kauai to 46% for Kapiolani: 6 campuses)

Accessibility of instructors (47% of total, ranging from 86% for Windward to 46% for Kauai: 5 campuses.)

(c) The total experience at college was rated as follows:

	Total	Range	
Very satisfied	47%	75% Windward	32% Hawaii
Somewhat satisfied	48%	58% Hawaii	25% Windward
Somewhat dissatisfied	5%	9% Hawaii	0% Windward
Very dissatisfied	1%	2% Kapiolani	0% Honolulu, Leeward, Maui, Windward.

TABLE 24
EVALUATION OF COLLEGE EXPERIENCE, BY CAMPUS

Note: Percentages indicate the proportion of students who rated their experience as "very **satisfied**." Other choices were: "somewhat satisfied," "somewhat dissatisfied" and "very dissatisfied."

Item	Total	Haw	Hon	Kap	Kauai	Lee	Maui	Win
Knowledge gained from general education courses	41%	27%	45%	29%	43%	52%	40%	71%
Knowledge gained from courses in major	54%	47%	56%	56%	53%	54%	64%	47%
Skills gained from all courses	33%	25%	32%	24%	37%	39%	41%	55%
Overall quality of instruction	42%	31%	47%	33%	40%	48%	44%	76%
Availability of necessary courses	38%	35%	39%	36%	28%	41%	43%	36%
Accessibility of instructors	47%	43%	52%	36%	46%	50%	50%	86%
Helpfulness of instructors in career development	47%	47%	49%	46%	59%	39%	54%	58%
Quality of labs, studios	31%	22%	34%	21%	42%	38%	39%	33%
Total college experience	47%	32%	49%	37%	46%	58%	49%	75%

(3) College Services (Table 25)

(a) There was quite a range in the number of students who indicated "never used this service or service not available." (The figures on college services indicate the number of graduates who used the service and rated it.) In general, about 90 percent or more of the graduates from each campus rated the following services: bookstore, registration, library, physical facilities. Less than a third of the graduates from each campus rated housing services and health services; the remaining checked "never used this service or service not available."

(b) No item was rated "very satisfied" by a majority of graduates for the total, and for Hawaii and Kapiolani. A majority of Windward's graduates did so on 13 items; Maui, 7; Honolulu and Leeward, 3 each; Kauai, 1. The top items receiving most favorable ratings are:

Windward:	personal counseling (74%), admissions (73%)
Leeward:	physical facilities (67%)
Maui:	library (66%)
Kauai:	library (59%)
Honolulu:	library (54%)

(c) At least 40 percent of the graduates who used the following services indicated "very satisfied" on four or more campuses:

--student employment	43% for the total, ranging from 59% for Windward to 40% for Leeward: 7 campuses
--financial aid	45% for the total, ranging from 68% for Windward to 41% for Kapiolani: 6 campuses
--library	45% for the total, ranging from 70% for Windward to 54% for Honolulu and Leeward: 5 campuses
--admissions	40% for the total, ranging from 73% for Windward to 46% for Kauai: 4 campuses

(d) The services rated "very dissatisfied" by 25 percent or more of the graduates are:

Total	athletic facilities (29%), parking (28%)
Hawaii	parking (42%)
Honolulu	parking (48%), athletic facilities (35%), housing services (27%)
Kapiolani	parking (45%), athletic facilities and housing services (39%)

TABLE 25
EVALUATIONS OF COLLEGE SERVICES, BY CAMPUS

Note: Percentages indicate the proportion of students who rated the service as "very satisfied." Other choices were: "somewhat satisfied," "somewhat dissatisfied" and "very dissatisfied." (Excludes students who checked "never used this service or service not **available.**")

Service	Total	Haw	Hon	Kap	Kauai	Lee	Maui	Win
Admissions	40%	32%	36%	28%	46%	48%	52%	73%
Orientation	29%	14%	31%	29%	28%	32%	26%	46%
Registration	29%	25%	37%	18%	35%	25%	51%	53%
Records	35%	24%	38%	20%	38%	41%	43%	52%
Financial aid	45%	38%	51%	41%	45%	43%	50%	68%
Student employment	43%	43%	42%	43%	45%	40%	50%	59%
Academic advising	34%	36%	36%	28%	31%	32%	46%	56%
Personal counseling	40%	38%	39%	34%	39%	41%	41%	74%
Learning centers	37%	23%	53%	30%	37%	35%	41%	47%
Testing	28%	15%	33%	20%	29%	30%	36%	67%
Career counseling	34%	24%	39%	29%	29%	33%	44%	70%
Placement	26%	24%	28%	27%	29%	20%	29%	40%
Food service	25%	16%	18%	28%	17%	25%	61%	
Campus center	18%	16%	11%	12%	23%	23%	32%	27%
Athletic facilities	14%	11%	11%	10%	6%	19%	22%	25%
Library	45%	32%	54%	21%	59%	54%	66%	70%
Health service	32%	23%	28%	18%	15%	47%	29%	25%
Housing service	21%	25%	27%	9%		14%	35%	33%
Bookstore	32%	29%	30%	27%	45%	33%	39%	36%
Business office	30%	20%	33%	16%	45%	35%	50%	54%
Parking	29%	11%	11%	11%	20%	55%	42%	61%
Physical facilities	36%	12%	35%	11%	33%	67%	42%	60%

Kauai	athletic facilities (50%), parking (27%), housing services (25%)
Leeward	housing services (29%)
Maui	none
Windward	cafeteria/food services (39%), health services (25%)

2. Comparison with 1975-76 Graduates[22]

For both the 1975-76 and 1976-77 alumni surveys, the rate of return was 65 percent. While the 1975-76 group was representative of their graduate population, by program, the 1976-77 group was not despite the fact that respondents from all campuses were representative, by program, of their respective populations.

This section will present data for both groups of alumni on items which are sufficiently similar to make comparisons possible.

a. Current Activities

Although the choices presented both groups of alumni were not identical, they were very similar. Greater proportions of the 1976-77 group are employed, enrolled in school and combining school and employment. (This is partly due to the drop in proportion checking multiple activities.) The percentage of "unemployed, looking for work" declined slightly from 6 to 5. See details below:

Activity	1975-76	1976-77
Number	(1,512)	(1,535)
Employed	40%	48%
Enrolled in school	9%	13%
Employed and enrolled in school	22%	27%
Unemployed, looking for work	6%	5%
Multiple responses	19%	5%
Other	4%	3%

b. Details: Attending School

Although there are percentage differences, the dominant characteristics of both groups are similar on most items:

—About 2/3 of graduates attending school were full-time students.

—The top two institutions selected by graduates are U.H. Manoa and U.H. community colleges.

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[22] Data for 1975-76 graduates were reported in Report No. 22 of the Student Flow Project (March 1977).

—About 3/5 were seeking Bachelor's degrees.

--The top two majors were business and technology (majors in community colleges) for the 1975-76 group; social sciences and business administration (majors in four-year institutions) for the 1976-77 group.

Data are presented below:

Item	1975-76	1976-77
Number responding to items	(543 to 602)	(601 to 648)
Full-time students	65%	69%
Campus: Top Two		
U.H. Manoa	33%	39%
U.H. Community Colleges	48%	43%
Degree: Top Two		
Bachelor's	63%	59%
Associate of Science	19%	15%
Major: Top Two		
Business (2-year institution)	12%	
Technology (2-year institution)	11%	
Social Sciences (4-year institution)		14%
Business Administration (4-year institution)		13%

c. Details: Employed

Although 1976-77 alumni responded to 10 items regarding their employment, comparisons with the 1975-76 group are possible for 6 items. The results show that:

—About 7/10 were employed full-time.

--Slightly under 40 percent were in clerical/sales occupations and about 30 percent were in service occupations.

--The plurality (slightly more than one-fifth) of both groups employed full-time had annual incomes of $6,000 to $7,499.

--Private industry employed over half of the working 1976-77 graduates; this proportion was higher than that for previous alumni. Although the federal, state and county governments hired a fourth of both groups of alumni, there was a drop in the proportions hired by state and county governments and an increase by the federal government.

--About 7/10 of 1976-77 graduates were working on Oahu; this proportion is higher than that for 1975-76 alumni.

—The 1976-77 group had lower proportions than their predecessors who indicated a relationship between their present jobs and career plans.

Some highlights are given below:

Item	1975-76	1976-77
Number responding to items	(1,013 to 1,138)	(1,119 to 1,168)
Full-time employees	71%	70%
Occupation: Top Three		
Clerical/sales	36%	38%
Service	29%	30%
Professional/technical/managerial	15%	10%
Annual income of full-time employees: Top Four		
$6,000-$7,499	22%	21%
$3,000-$5,999	20%	20%
$7,500-$9,999	19%	20%
$10,000-$14,999	19%	17%
Employer: Top Two		
Private industry	48%	54%
Government	25%	25%
Federal, excluding military	(7%)	(9%)
State	(11%)	(10%)
County	(7%)	(6%)
Location: Top Two		
Oahu	66%	69%
Hawaii	18%	13%
Job/Career Relationship		
Probably will make career	36%	34%
Definitely will make career	28%	26%

d. Evaluation of College Experience

This section of the 1976-77 Alumni Survey is quite different from that of the previous questionnaire. Comparisons are therefore few in number.

Only those goals that are similar are included below to indicate the proportion of graduates who considered the goal important. The wording of the item in the 1976-77 survey is in parenthesis.

Goal	1975-76	1976-77
To be educated for an occupation (To prepare for a career)	90%	90%
To get a degree or certificate (To get a degree)	88%	91%
To gain practical experience in my field (To gain practical experience in an occupational field)	81%	77%
To get a broad education in many fields (To broaden my educational background)	60%	97%
To meet people and make friends (To make new friends and meet new people)	53%	78%

Goal	1975-76	1976-77
To prepare myself for further education (To meet academic requirements necessary for admittance to a four-year or graduate/professional school)	70%	52%

Both groups of graduates were quite similar in indicating the importance of preparing for a career, getting a degree and gaining practical experience. A greater proportion of the 1976-77 group, however, attached importance to broadening their educational backgrounds and making new friends. In contrast, 70 percent of the 1975-76 graduates felt it was important to prepare for further education while only 52 percent of their successors did so.

Graduates in 1975-76 indicated the degree to which their important goals had been fulfilled and graduates in 1976-77 expressed the degree to which campuses had been helpful in attaining their goals. Data below show the proportions who indicated "largely fulfilled" (choices 4 or 5) among 1975-76 respondents and who indicated "campus was a great deal of help" among 1976-77 respondents. We know that both ratings are not identical but a comparison is interesting.

Goal	1975-76 (largely fulfilled)	1976-77 (great deal of help)
Prepare for a career	75%	51%
Get degree	92%	71%
Gain practical experience	74%	47%
Broaden educational background	75%	58%
Make new friends and meet people	85%	48%
Meet academic requirements for further schooling	78%	56%

Unfortunately, the remaining sections of both alumni surveys are not comparable.

3. Concluding Comments

This report should be supplemented by the colleges with details for each of their major programs. We urge campus personnel to study the detailed data that are being sent to the Dean of Student Services.

A few observations seem noteworthy:

a. Slightly over half of the graduates completed their degree in 4 or fewer semesters, and the overwhelming majority did so without a break in attendance. What implications does this have for "stopping out"? for financial aid programs?

b. The great majority (about 80 percent) of graduates for the last two years were employed, enrolled in school, or both. Those who are employed generally work full-time and many have been employed in their present positions for less than a year. Only 10 percent cited the college placement office or the cooperative education program as the source for learning about their jobs. Can more be done to aid students to locate suitable employment? This takes on added significance in the light of two additional findings: (1) only 60 percent of the graduates feel that their present jobs are the types in which they will probably (36 percent) or definitely (24 percent) make their career and (2) only 40 percent of the graduates feel that their jobs are in their major fields of study. Should we expect higher proportions of our graduates to assume jobs related to their career plans and in their major fields of study? Also of interest is the response of those who gave a reason for not being employed in a job in their major: slightly over half did not look for such a job. What implications does this have for career counseling?

c. Many of the graduates enrolled in colleges immediately after graduation return to their alma mater. This is true for both groups of alumni, especially on the Neighbor Islands, as shown below:

	1975-76	1976-77
--Total graduates enrolled in school	602	638
Re-enrolled at same college	250 (42%)	233 (37%)
--Oahu graduates enrolled in school	451	506
Re-enrolled at same college	178 (40%)	165 (33%)
--Neighbor Island graduates enrolled in school	151	132
Re-enrolled at same college	72 (48%)	68 (52%)

d. As with the 1975-76 graduates, many of the 1976-77 graduates remained on the island of their college--for employment and for further schooling. This may, in a small way, lessen the migration of young people from the Neighbor Islands.

e. At least half of the 1976-77 graduates felt that their campuses had been a great deal of help in attaining the four goals considered important to most of them: get a degree, broaden educational background, gain specific knowledge for personal use or interest, prepare for a career. There were variations among campuses or among programs, and we urge campus personnel to consider carefully the ratings of campus helpfulness in goal attainment.

f. Ratings on the total college experience (47%, very satisfied; 48%, somewhat satisfied) were generally favorable, but there were variations, by program, and, by campus. The ratings on this item as well as on the other areas related to instruction should be carefully studied. On some campuses and in some programs, for example, graduates found instructors very accessible and very helpful in assisting with career development. On others, knowledge gained from courses in the major rated highly. In analyzing these results, campus personnel are urged to consider the rank order of the ratings to define relative strengths and weaknesses in the instructional area.

g. Ratings on college services showed great variation among campuses and among services on the same campus. This is not unexpected for rarely does a campus have comparability among all services--student services, physical facilities, educational support facilities--to mention a few. What is important, however, is for campus consideration of the match between the ratings of graduates and the quality and level of service being offered.

We conclude with the hope that campuses will study the results presented in this report and go beyond--in terms of further details and further exploration and interpretation. Such consideration should be useful in planning and evaluation efforts related to instruction, student services and physical facilities. This would be an effective way of expressing appreciation to the many graduates who took the time to complete their questionnaires and to share their thoughts with us.

UNIVERSITY OF HAWAII
1907

APPENDIX A

Information on your computer record:

ID NUMBER ☐☐☐-☐☐-☐☐☐☐

PLEASE CORRECT BELOW IF INFORMATION HAS CHANGED:

____________________ NAME

____________________ ADDRESS

____

____________________ ZIP CODE

GENERAL INFORMATION

① In how many semesters, excluding summer session(s), were you able to complete your work for your degree or certificate?

1. ☐ 1-2
2. ☐ 3-4
3. ☐ 5-6
4. ☐ 7-8
5. ☐ more than 8

② Did you attend these semesters without a break (other than summer) in enrollment?

1. ☐ Yes
2. ☐ No

③ Please check the activities below in which you are currently engaged. (Check as many as apply)

1. ☐ Employed full-time.
2. ☐ In school full-time.
3. ☐ Employed part-time.
4. ☐ In school part-time.
5. ☐ In active duty military service.
6. ☐ Unemployed--not available for full-time work. Reason: ________________
7. ☐ Unemployed--looking for work.
8. ☐ Other: ________________________

ACADEMIC INFORMATION

PLEASE ANSWER QUESTIONS 4 THROUGH 7 ONLY IF YOU ARE ENROLLED IN SCHOOL.

④ Are you enrolled
1. ☐ part-time
2. ☐ full-time

⑤ Which of the following schools are you presently attending?

01. ☐ UH Manoa
02. ☐ UH Hilo - Hilo College
03. ☐ UH Hilo - Hawaii Community College
04. ☐ UH Hilo - College of Agriculture
05. ☐ Honolulu Community College
06. ☐ Kapiolani Community College
07. ☐ Kauai Community College
08. ☐ Leeward Community College
09. ☐ Maui Community College
10. ☐ Windward Community College
11. ☐ West Oahu College
12. ☐ Other Hawaii college
13. ☐ Hawaii business or trade school
14. ☐ Mainland business or trade school
15. ☐ Mainland university or 4-year college
16. ☐ Mainland 2-year college
17. ☐ Foreign college or university
18. ☐ Other: ____________

⑥ Toward which degree or certificate are you currently working? (Check one)

1. [ ] None
2. [ ] Certificate
3. [ ] Associate Arts
4. [ ] Associate Sciences
5. [ ] Bachelor's Degree
6. [ ] Master's Degree
7. [ ] Professional Certificate (Education)
8. [ ] Ph.D., Ed.D., J.D., M.D.
9. [ ] Other: ______________________

⑦ In what major field? ____

EMPLOYMENT INFORMATION

PLEASE ANSWER QUESTIONS 8 THROUGH 17 ONLY IF YOU ARE CURRENTLY EMPLOYED.

⑧ Are you employed full-time or part-time? (Check one)

1. [ ] Full-time
2. [ ] Part-time
3. [ ] More than one job

NOTE: PLEASE ANSWER THE FOLLOWING QUESTIONS CONCERNING YOUR PRIMARY JOB ONLY.

⑨ What is your occupation? (What do you DO? For example, truck driver, accountant, salesperson, dental assistant, nurse, engineer, waitress, etc.)

____

⑩ Who is your current employer? (Check one)

1. [ ] Private industry (not tourist)
2. [ ] Tourist industry
3. [ ] State government
4. [ ] City or County government
5. [ ] Non-profit organization
6. [ ] Federal government (not military)
7. [ ] Military
8. [ ] Self-Employed
9. [ ] Other: ______________________

⑪ Where are you employed? (Check one)

1. [ ] Oahu
2. [ ] Maui
3. [ ] Molokai
4. [ ] Lanai
5. [ ] Big Island (Hawaii)
6. [ ] Kauai
7. [ ] Mainland U.S.
8. [ ] U.S. possession
9. [ ] Foreign country

⑫ How long have you been employed in this job?

1. [ ] Less than one year
2. [ ] 1 to 2 years
3. [ ] 3 or more years

⑬ What are your current annual earnings from this job? (Check one)

01. [ ] Less than $3,000
02. [ ] $3,000 to $5,999
03. [ ] $6,000 to $7,499
04. [ ] $7,500 to $9,999
05. [ ] $10,000 to $14,999
06. [ ] $15,000 to $19,999
07. [ ] $20,000 to $24,999
08. [ ] $25,000 to $29,999
09. [ ] $30,000 or over
10. [ ] Don't know; varies too much

⑭ How did you learn of this job? (Check primary source)

1. [ ] Cooperative Education Program
2. [ ] College placement office
3. [ ] Professional organization or journal
4. [ ] Public or private employment agency
5. [ ] Newspaper advertisment
6. [ ] Personal application to employer
7. [ ] Faculty referral
8. [ ] Referral through friend or relative
9. [ ] Other: ______________________________________

⑮ Do you consider this job to be the type of job in which you will make your career?

1. ☐ Yes, definitely will
2. ☐ Probably will
3. ☐ Probably will not
4. ☐ Definitely will not

⑯ Are you currently employed in your major field of study?

1. ☐ Yes
2. ☐ No, but my job is related to my major field of study
3. ☐ No, my job is not at all related to my major field of study

⑰ If your occupation is not related to your major field of study, what is the principal reason? (Check one)

0. ☐ Does not apply. I have a job related to my major field
1. ☐ I did not look for a job related to my major
2. ☐ I looked, but could not find a job related to my major
3. ☐ Other: ____

GENERAL EVALUATION OF COLLEGE EXPERIENCE

⑱ Regarding the campus from which you recently graduated, how much help did you get in reaching each of the goals listed below? (If a statement was not a goal of yours, check the first column (0) only)

		This Was Not a Goal of Mine 0	This Campus Was Not of Much Help 1	This Campus Was of Some Help 2	This Campus Was a Great Deal of Help 3
a. To get a degree	a.	☐	☐	☐	☐
b. To broaden my educational background	b.	☐	☐	☐	☐
c. To discover my vocational interest	c.	☐	☐	☐	☐
d. To prepare for a career, i.e., acquire specific skills and knowledge	d.	☐	☐	☐	☐
e. To prepare for a career change	e.	☐	☐	☐	☐
f. To improve my knowledge and technical skills required in my present job	f.	☐	☐	☐	☐
g. To gain practical experience in an occupational field	g.	☐	☐	☐	☐
h. To increase my chances for a possible raise and/or possible promotion in my present job	h.	☐	☐	☐	☐
i. To meet academic requirements necessary for admittance to a four-year or graduate/professional school	i.	☐	☐	☐	☐
j. To gain specific knowledge for my personal use or interest	j.	☐	☐	☐	☐
k. To make new friends and meet new people	k.	☐	☐	☐	☐
l. To become actively involved in student life and campus activities	l.	☐	☐	☐	☐
m. To improve my self-image	m.	☐	☐	☐	☐
n. Other: ______________________________	n.	☐	☐	☐	☐

⑲ How satisfied are you with your experience at this campus in each of the following areas? (Check one answer for each statement)

			Very Dissatisfied 1	Somewhat Dissatisfied 2	Somewhat Satisfied 3	Very Satisfied 4
a.	Knowledge gained from general education (core) courses	a.	☐	☐	☐	☐
b.	Knowledge gained from courses in your major	b.	☐	☐	☐	☐
c.	Skills (reading, writing, math, etc.) gained from all courses	c.	☐	☐	☐	☐
d.	The overall quality of instruction	d.	☐	☐	☐	☐
e.	Availability of courses offered that you needed	e.	☐	☐	☐	☐
f.	The accessibility of instructors	f.	☐	☐	☐	☐
g.	Helpfulness of instructors in assisting you with career development	g.	☐	☐	☐	☐
h.	Quality of laboratories and studios, other support facilities	h.	☐	☐	☐	☐
i.	Total experience at college	i.	☐	☐	☐	☐

⑳ How satisfied were you with each of the services listed below? (If you never used the service, check the first column (0) only)

			Never Used This Service or Service Not Available 0	Very Dissatisfied 1	Somewhat Dissatisfied 2	Somewhat Satisfied 3	Very Satisfied 4
a.	Admission	a.	☐	☐	☐	☐	☐
b.	Orientation	b.	☐	☐	☐	☐	☐
c.	Registration	c.	☐	☐	☐	☐	☐
d.	Records	d.	☐	☐	☐	☐	☐
e.	Financial aid services	e.	☐	☐	☐	☐	☐
f.	Student employment	f.	☐	☐	☐	☐	☐
g.	Academic advising	g.	☐	☐	☐	☐	☐
h.	Personal counseling	h.	☐	☐	☐	☐	☐
i.	Learning assistance centers	i.	☐	☐	☐	☐	☐
j.	Testing services	j.	☐	☐	☐	☐	☐
k.	Career counseling/advising	k.	☐	☐	☐	☐	☐
l.	Placement office	l.	☐	☐	☐	☐	☐
m.	Cafeteria, food services	m.	☐	☐	☐	☐	☐
n.	Campus center and recreational activities	n.	☐	☐	☐	☐	☐
o.	Athletic facilities	o.	☐	☐	☐	☐	☐
p.	Library	p.	☐	☐	☐	☐	☐
q.	Health services	q.	☐	☐	☐	☐	☐
r.	Housing services	r.	☐	☐	☐	☐	☐
s.	Bookstore	s.	☐	☐	☐	☐	☐
t.	Business office	t.	☐	☐	☐	☐	☐
u.	Parking	u.	☐	☐	☐	☐	☐
v.	Physical facilities: buildings and grounds	v.	☐	☐	☐	☐	☐

㉑ What are your suggestions for improving this college?

THANK YOU!

APPENDIX B
TABLES: COMMUNITY COLLEGE TOTAL, BY CAMPUS

B-1. NUMBER OF SEMESTERS

CAMP	COUNT ROW PCT	1 -- 2 1	3 -- 4 2	5 -- 6 3	7 -- 8 4	MORE THAN 8 5	ROW TOTAL
HAWAII C C	1	35 16.4	121 56.8	44 20.7	6 2.8	7 3.3	213 14.0
HONOLULU C C	2	24 8.7	119 43.0	115 41.5	15 5.4	4 1.4	277 18.2
KAPIOLANI C C	3	96 25.9	130 35.0	110 29.6	24 6.5	11 3.0	371 24.4
KAUAI C C	4	16 17.8	41 45.6	23 25.6	7 7.8	3 3.3	90 5.9
LEEWARD C C	5	27 6.6	124 30.1	173 42.0	65 15.8	23 5.6	412 27.1
MAUI C C	6	9 9.1	57 57.6	26 26.3	5 5.1	2 2.0	99 6.5
WINDWARD C C	7	4 6.9	18 31.0	28 48.3	6 10.3	2 3.4	58 3.8
COLUMN TOTAL		211 13.9	610 40.1	519 34.1	128 8.4	52 3.4	1520 100.0

RAW CHI SQUARE = 185.70059 WITH 24 DEGREES OF FREEDOM, SIGNIFICANCE = 0.0000

B-2. ATTENDANCE IN CONTINUOUS SEMESTERS

CAMP	COUNT ROW PCT	YES 1	NO 2	ROW TOTAL
HAWAII C C	1	176 83.0	36 17.0	212 13.9
HONOLULU C C		234 83.6	46 16.4	280 18.4
KAPIOLANI C C	3	327 87.9	45 12.1	372 24.4
KAUAI C C	4	70 77.8	20 22.2	90 5.9
LEEWARD C C	5	334 80.9	79 19.1	413 27.1
MAUI C C	6	82 82.8	17 17.2	99 6.5
WINDWARD C C	7	51 86.4	8 13.6	59 3.9
COLUMN TOTAL		1274 83.5	251 16.5	1525 100.0

RAW CHI SQUARE = 9.90204 WITH 6 DEGREES OF FREEDOM, SIGNIFICANCE = 0.1288

B-3. CURRENT ACTIVITY

```
                COUNT  I
              ROW PCT  IEMPLOYED  IN SCH    EMPLOYED  IN SCH    ACTIVE    UNEMPL--  UNEMPL--  OTHER     IN SCH &  OTHER       ROW
                       IFULLTIME  FULLTIMF  PARTTIME  PARTTIME  MILITARY  NOT LOOK  LOOKING             WORKING   MULT RES   TOTAL
                       I     1   I     2   I     3   I     4   I     5   I     6   I     7   I     8   I     9   I    10   I
CAMP          ---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     1 I    96   I    27   I    24   I     1   I     0   I     5   I    18   I     0   I    38   I     5   I    214
  HAWAII C C           I  44.9   I  12.6   I  11.2   I   0.5   I   0.0   I   2.3   I   8.4   I   0.0   I  17.8   I   2.3   I   14.0
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     2 I   111   I    28   I    19   I     3   I     0   I     0   I    11   I     0   I    97   I    12   I    281
  HONOLULU C C         I  39.5   I  10.0   I   6.8   I   1.1   I   0.0   I   0.0   I   3.9   I   0.0   I  34.5   I   4.3   I   18.3
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     3 I   215   I    19   I    22   I     5   I     0   I    12   I    20   I     1   I    69   I    13   I    376
  KAPIOLANI C C        I  57.2   I   5.1   I   5.9   I   1.3   I   0.0   I   3.2   I   5.3   I   0.3   I  18.4   I   3.5   I   24.5
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     4 I    30   I    10   I    13   I     0   I     0   I     3   I     4   I     0   I    22   I     2   I     90
  KAUAI C C            I  40.0   I  11.1   I  14.4   I   0.0   I   0.0   I   3.3   I   4.4   I   0.0   I  24.4   I   2.2   I    5.9
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     5 I   114   I    62   I    18   I     5   I     1   I    10   I    23   I     0   I   146   I    35   I    414
  LEEWARD C C          I  27.5   I  15.0   I   4.3   I   1.2   I   0.2   I   2.4   I   5.6   I   0.0   I  35.3   I   8.5   I   27.0
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     6 I    46   I    14   I     6   I     1   I     0   I     6   I     5   I     0   I    18   I     3   I     99
  MAUI C C             I  46.5   I  14.1   I   6.1   I   1.0   I   0.0   I   6.1   I   5.1   I   0.0   I  18.2   I   3.0   I    6.5
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
                     7 I    10   I    18   I     0   I     3   I     0   I     2   I     1   I     0   I    20   I     5   I     59
  WINDWARD C C         I  16.9   I  30.5   I   0.0   I   5.1   I   0.0   I   3.4   I   1.7   I   0.0   I  33.9   I   8.5   I    3.8
                      -I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
               COLUMN       628       178       102        18         1        38        82         1       410        76      1533
                TOTAL      41.0      11.6       6.7       1.2       0.1       2.5       5.3       0.1      26.7       4.9     100.0

RAW CHI SQUARE =    204.77101 WITH    54 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0000
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B-4A. ATTENDING SCHOOL: ENROLLMENT STATUS

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                COUNT  I
              ROW PCT  IPARTTIME  FULLTIME    ROW
                       I                     TOTAL
                       I     1   I     2   I
CAMP          ---------I---------I---------I
                     1 I     9   I    58   I    67
  HAWAII C C           I  13.4   I  86.6   I  10.4
                      -I---------I---------I
                     2 I    50   I    86   I   136
  HONOLULU C C         I  36.8   I  63.2   I  21.0
                      -I---------I---------I
                     3 I    42   I    55   I    97
  KAPIOLANI C C        I  43.3   I  56.7   I  15.0
                      -I---------I---------I
                     4 I    13   I    20   I    33
  KAUAI C C            I  39.4   I  60.6   I   5.1
                      -I---------I---------I
                     5 I    71   I   166   I   237
  LEEWARD C C          I  30.0   I  70.0   I  36.6
                      -I---------I---------I
                     6 I     8   I    24   I    32
  MAUI C C             I  25.0   I  75.0   I   4.9
                      -I---------I---------I
                     7 I    11   I    34   I    45
  WINDWARD C C         I  24.4   I  75.6   I   7.0
                      -I---------I---------I
               COLUMN       204       443       647
                TOTAL      31.5      68.5     100.0

RAW CHI SQUARE =    21.00882 WITH     6 DEGREES OF FREEDOM.  SIGNIFICANCE =  0.0018
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B-4B. ATTENDING SCHOOL: CURPENT SCHOOL

SCH

CAMP	COUNT ROW PCT	UH MANOA 1	HILO COLLEGE 2	HAWAII C C 3	HONOLULU C C 5	KAPIOLA-NI C C 6	KAUAI CC 7	LEEWARD C C 8	MAUI C C 9	WINDWARD C C 10	WEST OAHU 11
HAWAII C C	1	2 2.9	21 30.9	32 47.1	4 5.9	2 2.9	0 0.0	1 1.5	0 0.0	0 0.0	0 0.0
HONOLULU C C	2	37 27.6	0 0.0	0 0.0	78 58.2	3 2.2	0 0.0	2 1.5	0 0.0	0 0.0	1 0.7
KAPIOLANI C C	3	46 51.1	0 0.0	1 1.1	7 7.8	18 20.0	2 2.2	2 2.2	0 0.0	1 1.1	2 2.2
KAUAI C C	4	8 25.0	0 0.0	0 0.0	2 6.3	0 0.0	20 62.5	0 0.0	0 0.0	0 0.0	0 0.0
LEEWARD C C	5	116 48.9	0 0.0	0 0.0	4 1.7	5 2.1	0 0.0	62 26.2	1 0.4	0 0.0	21 8.9
MAUI C C	6	10 31.3	1 3.1	0 0.0	0 0.0	2 6.3	0 0.0	0 0.0	16 50.0	0 0.0	0 0.0
WINDWARD C C	7	32 71.1	3 6.7	0 0.0	1 2.2	0 0.0	0 0.0	0 0.0	0 0.0	7 15.6	0 0.0
COLUMN TOTAL		251 39.3	25 3.9	33 5.2	96 15.0	30 4.7	22 3.4	67 10.5	17 2.7	8 1.3	24 3.8

(CONTINUED)

SCH

CAMP	COUNT ROW PCT	OTHER HI COLLEGE 12	HI BUS--TRADE SC 13	MAINLAND BUS-TRD 14	MAINLAND COLL-UN 15	MAINLAND 2-YR CO 16	OTHER 18	ROW TOTAL
HAWAII C C	1	0 0.0	0 0.0	2 2.9	2 2.9	1 1.5	1 1.5	68 10.7
HONOLULU C C	2	8 6.0	2 1.5	0 0.0	2 1.5	0 0.0	1 0.7	134 21.0
KAPIOLANI C C	3	0 0.0	2 2.2	1 1.1	1 1.1	2 2.2	5 5.6	90 14.1
KAUAI C C	4	0 0.0	0 0.0	0 0.0	2 6.3	0 0.0	0 0.0	32 5.0
LEEWARD C C	5	8 3.4	1 0.4	1 0.4	10 4.2	4 1.7	4 1.7	237 37.1
MAUI C C	6	0 0.0	0 0.0	0 0.0	2 6.3	1 3.1	0 0.0	32 5.0
WINDWARD C C	7	0 0.0	0 0.0	0 0.0	0 0.0	1 2.2	1 2.2	45 7.1
COLUMN TOTAL		16 2.5	5 0.8	4 0.6	19 3.0	9 1.4	12 1.9	638 100.0

RAW CHI SQUARE = 1587.49649 WITH 90 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-4C. ATTENDING SCHOOL: CURRENT EDUCATIONAL OBJECTIVE

CAMP	COUNT ROW PCT	NONE 1	CERTIFICATE 2	ASSOC IN ARTS 3	ASSOC IN SCIENCE 4	BACHELOR'S 5	MASTER'S 6	PROFESS CERT 7	DOCTORATE 8	OTHER 9	ROW TOTAL
HAWAII C C	1	11 15.3	11 15.3	3 4.2	21 29.2	24 33.3	1 1.4	0 0.0	1 1.4	0 0.0	72 11.1
HONOLULU C C	2	15 11.1	13 9.6	11 8.1	25 18.5	64 47.4	1 0.7	2 1.5	1 0.7	3 2.2	135 20.8
KAPIOLANI C C	3	15 15.8	8 8.4	3 3.2	9 9.5	51 53.7	2 2.1	3 3.2	0 0.0	4 4.2	95 14.7
KAUAI C C	4	1 3.2	3 9.7	8 25.8	6 19.4	13 41.9	0 0.0	0 0.0	0 0.0	0 0.0	31 4.8
LEEWARD C C	5	10 4.2	6 2.5	8 3.4	33 13.9	176 73.9	3 1.3	0 0.0	1 0.4	1 0.4	238 36.7
MAUI C C	6	4 12.9	0 0.0	5 16.1	4 12.9	16 51.6	0 0.0	0 0.0	0 0.0	2 6.5	31 4.8
WINDWARD C C	7	1 2.2	2 4.3	0 0.0	1 2.2	38 82.6	0 0.0	1 2.2	2 4.3	1 2.2	46 7.1
COLUMN TOTAL		57 8.8	43 6.6	38 5.9	99 15.3	382 59.0	7 1.1	6 0.9	5 0.8	11 1.7	646 100.0

RAW CHI SQUARE = 151.63451 WITH 48 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B.-4D. ATTENDING SCHOOL: CURRENT MAJOR

CAMP	COUNT ROW PCT	PRE-PROFESSIONAL 1	HUMANITIES 2	NATURAL SCIENCES 3	SOCIAL SCIENCES 4	BUSINESS ADMIN 5	TRAV IND MGT 6	AGRICULTURE 7	EDUCATION 8	ENGINEERING 9	HOME ECONOMICS 10
HAWAII C C	1	0 0.0	0 0.0	1 1.5	8 11.9	4 6.0	0 0.0	1 1.5	2 3.0	0 0.0	1 1.5
HONOLULU C C	2	0 0.0	7 5.7	0 0.0	13 10.6	11 8.9	2 1.6	1 0.8	10 8.1	5 4.1	4 3.3
KAPIOLANI C C	3	0 0.0	5 6.0	3 3.6	14 16.7	14 16.7	3 3.6	0 0.0	5 6.0	0 0.0	4 4.8
KAUAI C C	4	0 0.0	3 9.7	3 9.7	3 9.7	1 3.2	0 0.0	0 0.0	1 3.2	0 0.0	1 3.2
LEEWARD C C	5	0 0.0	23 10.3	12 5.4	35 15.7	42 18.8	8 3.6	0 0.0	21 9.4	3 1.3	14 6.3
MAUI C C	6	0 0.0	1 3.4	0 0.0	3 10.3	4 13.8	1 3.4	3 10.3	1 3.4	0 0.0	2 6.9
WINDWARD C C	7	2 4.5	10 22.7	3 6.8	9 20.5	4 9.1	1 2.3	1 2.3	3 6.8	1 2.3	1 2.3
COLUMN TOTAL		2 0.3	49 8.2	22 3.7	85 14.1	80 13.[illegible]	15 2.5	6 1.0	43 7.2	9 1.5	27 4.5

(CONTINUED)

CAMP	COUNT ROW PCT	MEDICAL SCIENCES 11	NURSING 12	PUBLIC HEALTH 13	SOCIAL WORK 14	LIBRARY STUDIES 15	UNCL & OTH 4-YR 17	LIBERAL ARTS 18	BUSINESS 19	HEALTH SERVICES 20	HOTEL & FOOD SV 21
HAWAII C C	1	0 0.0	3 4.5	0 0.0	0 0.0	0 0.0	7 10.4	3 4.5	8 11.9	1 1.5	1 1.6
HONOLULU C C	2	1 0.8	1 0.8	1 0.8	0 0.0	0 0.0	4 3.3	8 6.5	2 1.6	0 0.0	1 0.8
KAPIOLANI C C	3	0 0.0	3 3.6	3 3.6	1 1.2	1 1.2	3 3.6	0 0.0	5 6.0	5 6.0	3 3.6
KAUAI C C	4	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	1 3.2	5 16.1	4 12.9	2 6.5	0 0.0
LEEWARD C C	5	1 0.4	5 2.2	0 0.0	2 0.9	0 0.0	9 4.0	3 1.3	19 8.5	5 2.2	1 0.4
MAUI C C	6	0 0.0	0 0.0	1 3.4	0 0.0	0 0.0	0 0.0	2 6.9	2 6.9	1 3.4	1 3.4
WINDWARD C C	7	0 0.0	1 2.3	0 0.0	3 6.8	0 0.0	2 4.5	0 0.0	1 2.3	0 0.0	0 0.0
COLUMN TOTAL		2 0.3	13 2.2	5 0.8	6 1.0	1 0.2	26 4.3	21 3.5	41 6.8	14 2.3	7 1.2

(CONTINUED)

CAMP	COUNT ROW PCT	PUBLIC SERVICES 22	TECHNOLOGY 23	OTHERS 25	ROW TOTAL
HAWAII C C	1	1 1.5	23 34.3	3 4.5	67 11.1
HONOLULU C C	2	8 6.5	38 30.9	6 4.9	123 20.5
KAPIOLANI C C	3	0 0.0	3 3.6	9 10.7	84 14.0
KAUAI C C	4	2 6.5	4 12.9	1 3.2	31 5.2
LEEWARD C C	5	3 1.3	11 4.9	6 2.7	223 37.1
MAUI C C	6	1 3.4	2 6.9	4 13.8	29 4.8
WINDWARD C C	7	0 0.0	1 2.3	1 2.3	44 7.3
COLUMN TOTAL		15 2.5	82 13.6	30 5.0	601 100.0

RAW CHI SQUARE = 334.11255 WITH 1[illegible]2 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5A. EMPLOYED: EMPLOYMENT STATUS

COUNT ROW PCT		FULLTIME 1	PARTTIME 2	> ONE JOB 3	ROW TOTAL
CAMP					
HAWAII C C	1	110 68.8	41 25.6	9 5.6	160 13.7
HONOLULU C C	2	164 70.7	62 26.7	6 2.6	232 19.9
KAPIOLANI C C	3	237 75.2	62 19.7	16 5.1	315 27.0
KAUAI C C	4	50 69.4	20 27.8	2 2.8	72 6.2
LEEWARD C C	5	185 64.5	92 32.1	10 3.5	287 24.6
MAUI C C	6	50 70.4	17 23.9	4 5.6	71 6.1
WINDWARD C C	7	16 51.6	14 45.2	1 3.2	31 2.7
COLUMN TOTAL		812 69.5	308 26.4	48 4.1	1168 100.0

RAW CHI SQUARE = 21.27434 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0465

B-5B. EMPLOYED: OCCUPATION

COUNT ROW PCT		PROF,TEC & MGR 1	CLERICAL & SALES 2	SERVICE OCCUP 3	FARM,FISH & FOR 4	PROCESS-ING OCC 5	MACHINE TRADES 6	BENCH WORK OCC 7	STRUCT'L WORK 8	MISCELL OCCUP 9	ROW TOTAL
CAMP											
HAWAII C C	1	11 6.9	57 35.6	36 22.5	9 5.6	2 1.3	8 5.0	2 1.3	22 13.8	13 8.1	160 14.0
HONOLULU C C	2	12 5.3	34 15.1	85 37.8	2 0.9	1 0.4	29 12.9	9 4.0	27 12.0	26 11.6	225 19.7
KAPIOLANI C C	3	30 9.8	150 48.9	112 36.5	0 0.0	2 0.7	1 0.3	2 0.7	2 0.7	8 2.6	307 26.9
KAUAI C C	4	8 11.4	24 34.3	19 27.1	2 2.9	0 0.0	3 4.3	1 1.4	7 10.0	6 8.6	70 6.1
LEEWARD C C	5	43 15.5	117 42.1	72 25.9	0 0.0	3 1.1	14 5.0	0 0.0	19 6.8	10 3.6	278 24.4
MAUI C C	6	3 4.3	41 58.6	13 18.6	0 0.0	2 2.9	5 7.1	2 2.9	1 1.4	3 4.3	70 6.1
WINDWARD C C	7	5 16.1	12 38.7	9 29.0	1 3.2	0 0.0	3 9.7	0 0.0	1 3.2	0 0.0	31 2.7
COLUMN TOTAL		112 9.8	435 38.1	346 30.3	14 1.2	10 0.9	63 5.5	16 1.4	79 6.9	66 5.8	1141 100.0

RAW CHI SQUARE = 248.70969 WITH 48 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5c. EMPLOYED: ANNUAL INCOME (FULL-TIME EMPLOYEES ONLY)

CAMP	COUNT ROW PCT	BELOW $3,000 1	$3,000 - $5,999 2	$6,000 - $7,499 3	$7,500 - $9,999 4	$10,000- -$14,999 5	$15,000- -$19,999 6	$20,000- -$24,999 7	$25,000- -$29,999 8	$30,000 & OVER 9	DON'T KNOW 10	ROW TOTAL
HAWAII C C	1	18 17.5	27 26.2	17 16.5	14 13.6	16 15.5	6 5.8	0 0.0	0 0.0	0 0.0	5 4.9	103 13.3
HONOLULU C C	2	13 8.1	31 19.4	19 11.9	25 15.6	41 25.6	23 14.4	3 1.9	0 0.0	0 0.0	5 3.1	160 20.6
KAPIOLANI C C	3	5 2.2	39 17.1	73 32.0	77 33.8	23 10.1	3 1.3	1 0.4	0 0.0	0 0.0	7 3.1	228 29.4
KAUAI C C	4	2 4.1	11 22.4	12 24.5	9 18.4	8 16.3	6 12.2	0 0.0	0 0.0	1 2.0	0 0.0	49 6.3
LEEWARD C C	5	0 0.0	34 19.8	26 15.1	21 12.2	38 22.1	29 16.9	16 9.3	1 0.6	1 0.6	6 3.5	172 22.2
MAUI C C	6	8 16.7	8 16.7	12 25.0	8 16.7	3 6.3	3 6.3	0 0.0	0 0.0	0 0.0	6 12.5	48 6.2
WINDWARD C C	7	0 0.0	2 12.5	3 18.8	1 6.3	2 12.5	7 43.8	1 6.3	0 0.0	0 0.0	0 0.0	16 2.1
COLUMN TOTAL		46 5.9	152 19.6	162 20.9	155 20.0	131 16.9	77 9.9	21 2.7	1 0.1	2 0.3	29 3.7	776 100.0

RAW CHI SQUARE = 243.77530 WITH 64 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5d. EMPLOYED: CURRENT EMPLOYER

CAMP	COUNT ROW PCT	PRIVATE INDUSTRY 1	TOURIST INDUSTRY 2	STATE GOVT. 3	CITY GOVT. 4	NON-PROFIT ORG. 5	FEDERAL GOVT. 6	MILITARY 7	SELF-EMPLOYED 8	OTHER 9	ROW TOTAL
HAWAII C C	1	95 60.1	13 8.2	20 12.7	12 7.6	1 0.6	2 1.3	0 0.0	12 7.6	3 1.9	158 13.8
HONOLULU C C	2	120 52.6	16 7.0	13 5.7	29 12.7	7 3.1	26 11.4	8 3.5	7 3.1	2 0.9	228 20.0
KAPIOLANI C C	3	175 57.9	36 11.9	36 11.9	5 1.7	22 7.3	19 6.3	0 0.0	9 3.0	0 0.0	302 26.5
KAUAI C C	4	38 52.1	16 21.9	5 6.8	5 6.8	3 4.1	5 6.8	0 0.0	1 1.4	0 0.0	73 6.4
LEEWARD C C	5	137 48.8	21 7.5	21 7.5	12 4.3	10 3.6	47 16.7	15 5.3	13 4.6	5 1.8	281 24.6
MAUI C C	6	33 48.5	14 20.6	12 17.6	2 2.9	2 2.9	1 1.5	0 0.0	2 2.9	2 2.9	68 6.0
WINDWARD C C	7	13 41.9	1 3.2	6 19.4	0 0.0	0 0.0	5 16.1	0 0.0	3 9.7	3 9.7	31 2.7
COLUMN TOTAL		611 53.5	117 10.3	113 9.9	65 5.7	45 3.9	105 9.2	23 2.0	47 4.1	15 1.3	1141 100.0

RAW CHI SQUARE = 196.27577 WITH 48 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5E. EMPLOYED: EMPLOYER'S LOCATION

CAMP	COUNT ROW PCT	OAHU 1	MAUI 2	MOLOKAI 3	LANAI 4	HAWAII 5	KAUAI 6	MAINLAND 7	US POSSESSION 8	FOREIGN 9	ROW TOTAL
HAWAII C C	1	6 3.7	5 3.1	0 0.0	0 0.0	146 90.1	0 0.0	3 1.9	1 0.6	1 0.6	162 13.9
HONOLULU C C	2	212 92.2	3 1.3	0 0.0	1 0.4	0 0.0	2 0.9	12 5.2	0 0.0	0 0.0	230 19.7
KAPIOLANI C C	3	293 93.3	1 0.3	0 0.0	0 0.0	2 0.6	5 1.6	13 4.1	0 0.0	0 0.0	314 26.9
KAUAI C C	4	3 4.2	0 0.0	0 0.0	0 0.0	0 0.0	66 91.7	2 2.8	0 0.0	1 1.4	72 6.2
LEEWARD C C	5	261 90.9	1 0.3	0 0.0	0 0.0	0 0.0	0 0.0	22 7.7	1 0.3	2 0.7	287 24.6
MAUI C C	6	3 4.2	61 85.9	4 5.6	1 1.4	0 0.0	0 0.0	1 1.4	0 0.0	1 1.4	71 6.1
WINDWARD C C	7	26 83.9	1 3.2	0 0.0	0 0.0	2 6.5	0 0.0	2 6.5	0 0.0	0 0.0	31 2.7
COLUMN TOTAL		804 68.9	72 6.2	4 0.3	2 0.2	150 12.9	73 6.3	55 4.7	2 0.2	5 0.4	1167 100.0

RAW CHI SQUARE = 2896.31177 WITH 48 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5F. EMPLOYED: JOB/CAREER RELATIONSHIP

CAMP	COUNT ROW PCT	YES, DEFINITELY 1	PROBABLY WILL 2	PROBABLY WON'T 3	DEFINITELY NOT 4	ROW TOTAL
HAWAII C C	1	42 26.3	52 32.5	36 22.5	30 18.8	160 13.8
HONOLULU C C	2	72 31.4	63 27.5	53 23.1	41 17.9	229 19.7
KAPIOLANI C C	3	81 26.0	126 40.4	64 20.5	41 13.1	312 26.9
KAUAI C C	4	20 27.4	24 32.9	17 23.3	12 16.4	73 6.3
LEEWARD C C	5	64 22.5	87 30.5	61 21.4	73 25.6	285 24.5
MAUI C C	6	16 22.5	25 35.2	15 21.1	15 21.1	71 6.1
WINDWARD C C	7	5 16.1	12 38.7	9 29.0	5 16.1	31 2.7
COLUMN TOTAL		300 25.8	389 33.5	255 22.0	217 18.7	1161 100.0

RAW CHI SQUARE = 27.89259 WITH 18 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0637

B-5G. EMPLOYED: JOB/MAJOR RELATIONSHIP

CAMP	COUNT ROW PCT	YES -- RELATED 1	SOMEWHAT RELATED 2	NOT AT ALL REL 3	ROW TOTAL
HAWAII C C	1	70 43.2	38 23.5	54 33.3	162 13.9
HONOLULU C C	2	86 37.6	56 24.5	87 38.0	229 19.7
KAPIOLANI C C	3	187 59.6	71 22.6	56 17.8	314 27.0
KAUAI C C	4	24 33.3	15 20.8	33 45.8	72 6.2
LEEWARD C C	5	74 25.9	84 29.4	128 44.8	286 24.6
MAUI C C	6	31 43.7	16 22.5	24 33.8	71 6.1
WINDWARD C C	7	6 20.0	7 23.3	17 56.7	30 2.6
COLUMN TOTAL		478 41.1	287 24.7	399 34.3	1164 100.0

RAW CHI SQUARE = 93.35892 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5H. EMPLOYED: LENGTH OF EMPLOYMENT

CAMP	COUNT ROW PCT	< 1 YEAR 1	1 TO 2 YEARS 2	> 2 YEAR 3	ROW TOTAL
HAWAII C C	1	98 61.3	29 18.1	33 20.6	160 13.7
HONOLULU C C	2	97 42.2	53 23.0	80 34.8	230 19.7
KAPIOLANI C C	3	185 58.9	86 27.4	43 13.7	314 26.9
KAUAI C C	4	38 52.1	17 23.3	18 24.7	73 6.3
LEEWARD C C	5	116 40.4	65 22.6	106 36.9	287 24.6
MAUI C C	6	49 69.0	13 18.3	9 12.7	71 6.1
WINDWARD C C	7	16 51.6	4 12.9	11 35.5	31 2.7
COLUMN TOTAL		599 51.4	267 22.9	300 25.7	1166 100.0

RAW CHI SQUARE = 74.20358 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5I. EMPLOYED: JOB SOURCE

CAMP	COUNT ROW PCT	COOP ED PROGRAM 1	COLLEGE PLACEMEN 2	PROF ORG -JOURNAL 3	EMPLMNT AGENCY 4	NEWSPAP ADVERTIS 5	PERS APP EMPLOYER 6	FACULTY REFFERAL 7	FRD-REL REFFERAL 8	OTHER 9	ROW TOTAL
HAWAII C C	1	18 11.0	5 3.1	5 3.1	19 11.7	9 5.5	31 19.0	11 6.7	53 32.5	12 7.4	163 14.1
HONOLULU C C	2	3 1.3	14 6.2	1 0.4	27 11.9	24 10.6	58 25.6	21 9.3	65 28.6	14 6.2	227 19.6
KAPIOLANI C C	3	25 8.0	28 9.0	3 1.0	42 13.5	36 11.5	66 21.2	32 10.3	70 22.4	10 3.2	312 26.9
KAUAI C C	4	2 2.7	1 1.4	2 2.7	9 12.3	6 8.2	26 35.6	2 2.7	19 26.0	6 8.2	73 6.3
LEEWARD C C	5	6 2.1	9 3.2	5 1.8	42 14.9	24 8.5	112 39.7	10 3.5	53 18.8	21 7.4	282 24.4
MAUI C C	6	2 2.8	4 5.6	1 1.4	14 19.7	5 7.0	19 26.8	5 7.0	19 26.8	2 2.8	71 6.1
WINDWARD C C	7	0 0.0	4 13.3	0 0.0	0 0.0	1 3.3	12 40.0	3 10.0	5 16.7	5 16.7	30 2.6
COLUMN TOTAL		56 4.8	65 5.6	17 1.5	153 13.2	105 9.1	324 28.0	84 7.3	284 24.5	70 6.0	1158 100.0

RAW CHI SQUARE = 133.76581 WITH 48 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

B-5J. EMPLOYED: REASON OCCUPATION NOT RELATED TO MAJOR

CAMP	COUNT ROW PCT	DIDN'T LOOK 1	CAN'T FIND JOB 2	OTHER 3	ROW TOTAL
HAWAII C C	1	19 35.2	34 63.0	1 1.9	54 13.7
HONOLULU C C	2	33 38.4	43 50.0	10 11.6	86 21.9
KAPIOLANI C C	3	29 52.7	22 40.0	4 7.3	55 14.0
KAUAI C C	4	17 53.1	10 31.3	5 15.6	32 8.1
LEEWARD C C	5	80 64.5	31 25.0	13 10.5	124 31.6
MAUI C C	6	15 62.5	7 29.2	2 8.3	24 6.1
WINDWARD C C	7	12 66.7	6 33.3	0 0.0	18 4.6
COLUMN TOTAL		205 52.2	153 38.9	35 8.9	393 100.0

RAW CHI SQUARE = 36.58414 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0003

APPENDIX C

EVALUATION OF COLLEGE EXPERIENCE, BY CAMPUS

FIGURE 1a
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
HAWAII COMMUNITY COLLEGE

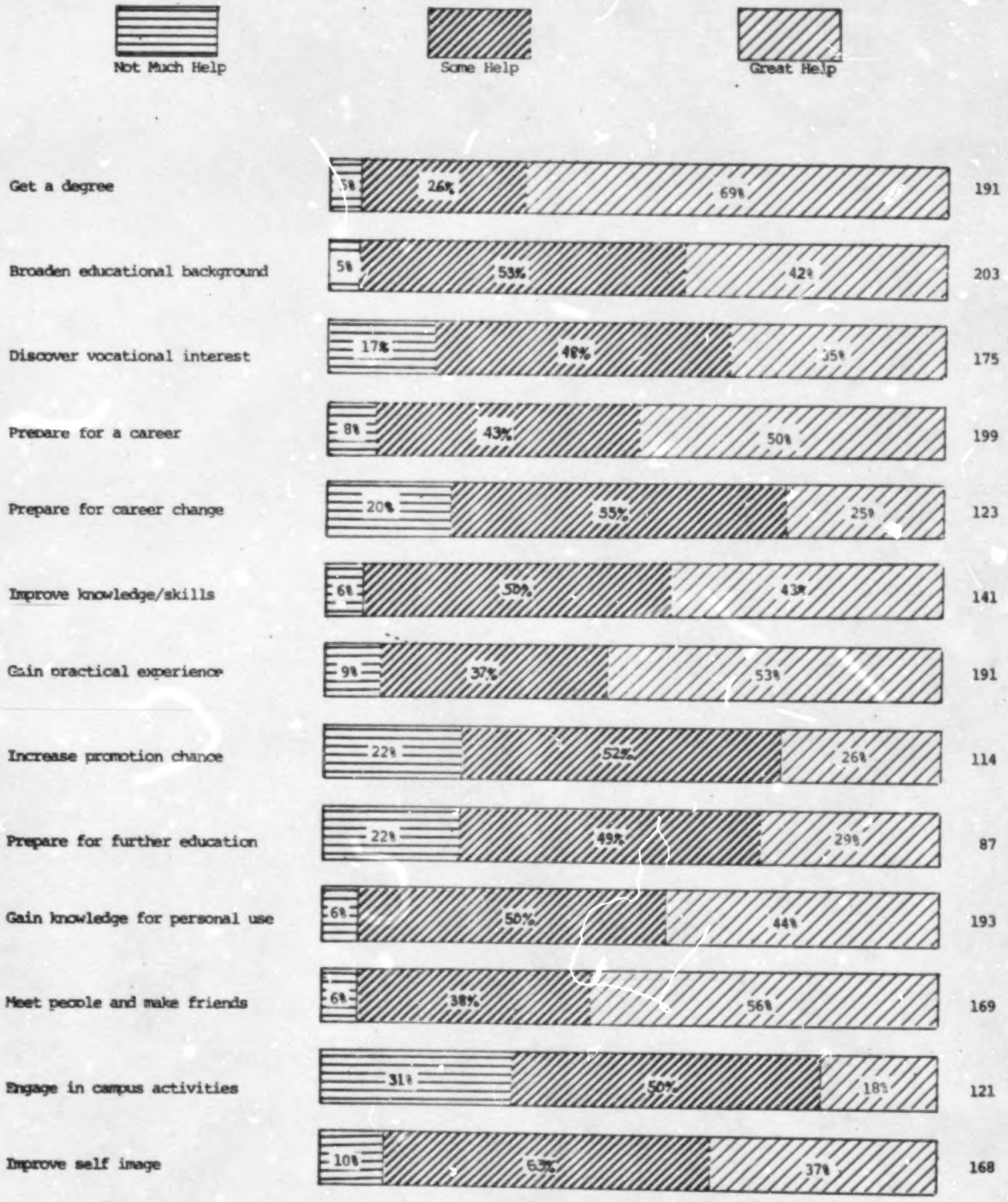

FIGURE 2a
EVALUATION OF COLLEGE EXPERIENCE
HAWAII COMMUNITY COLLEGE

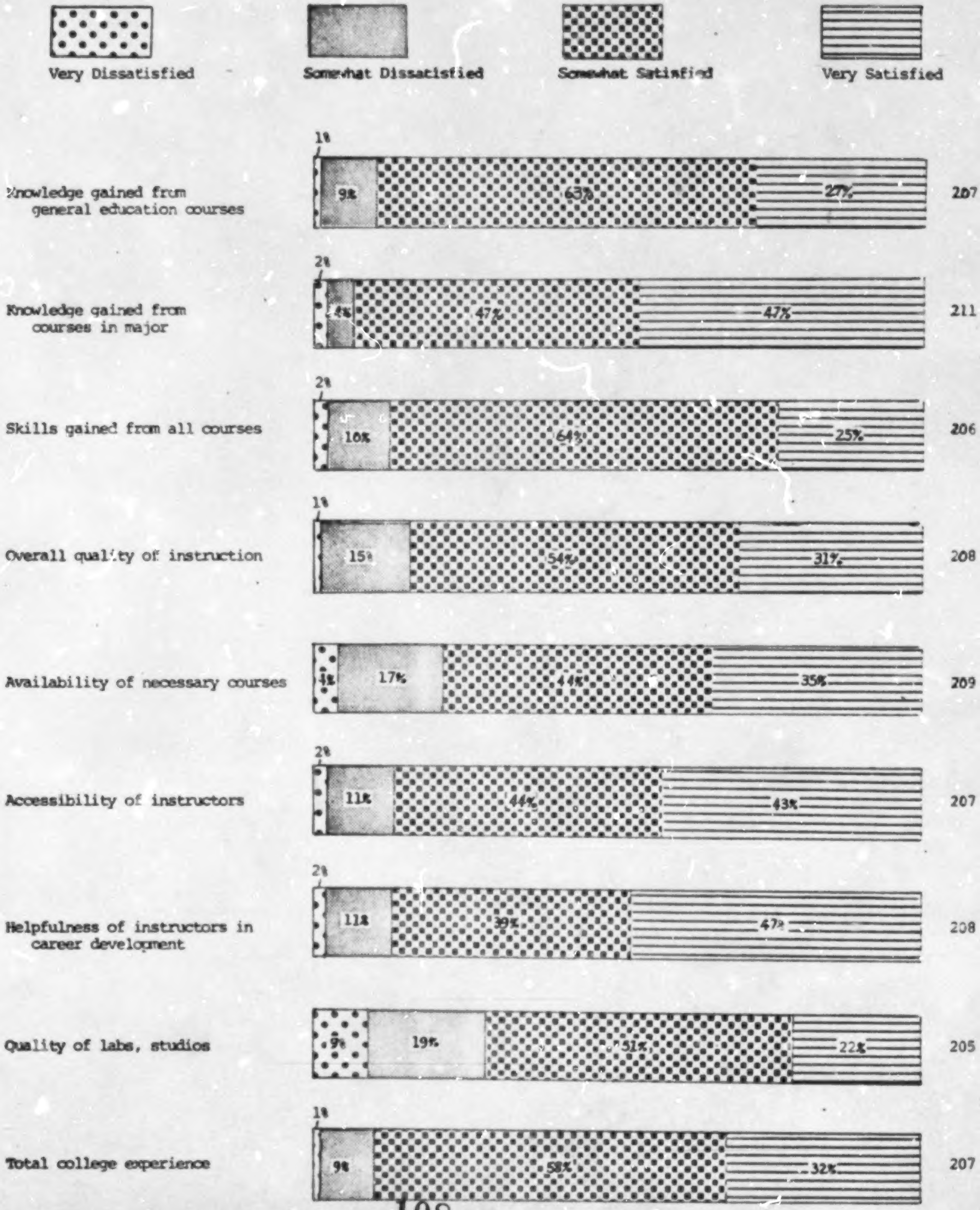

FIGURE 3a
EVALUATION OF COLLEGE SERVICES
HAWAII COMMUNITY COLLEGE

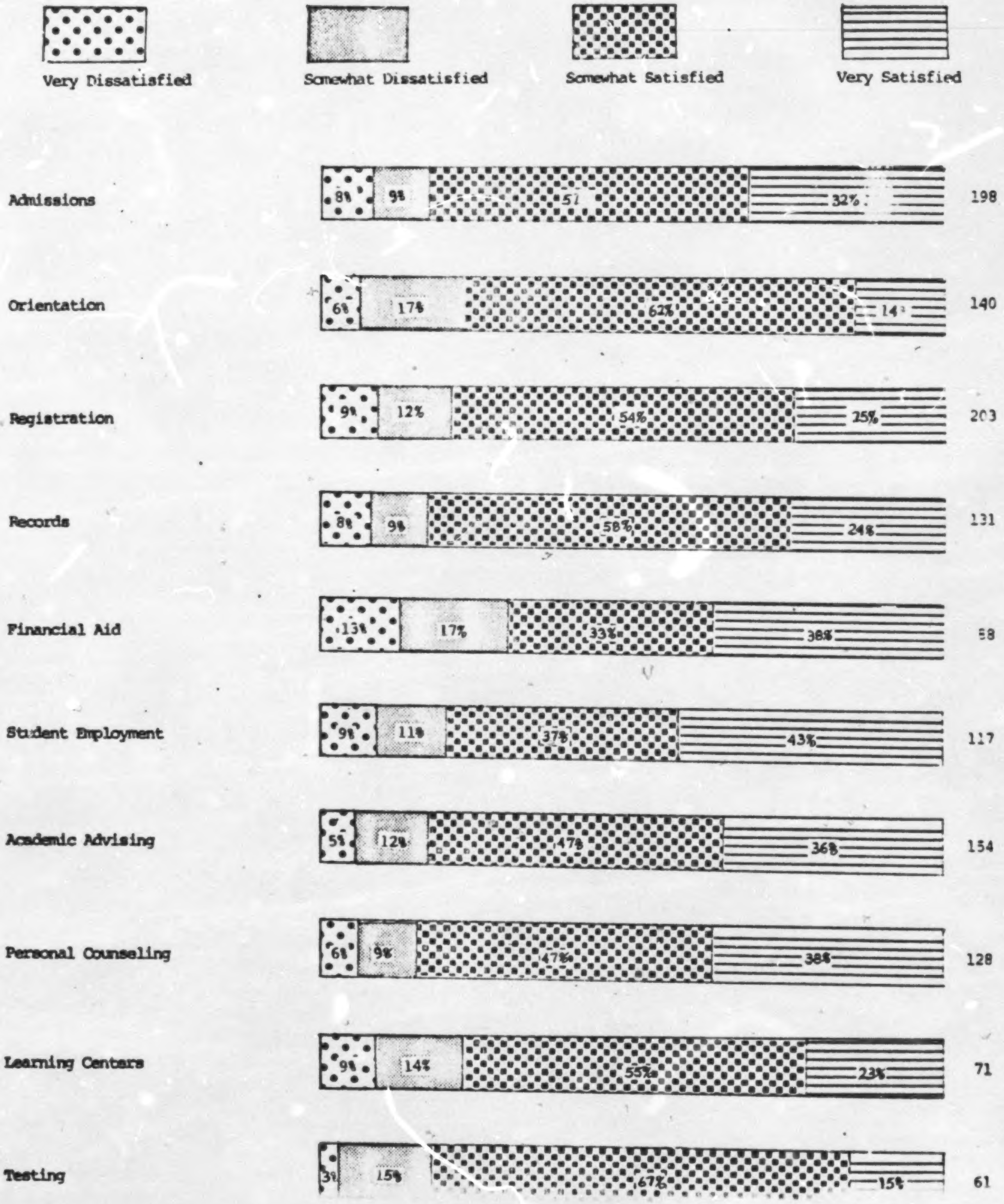

FIGURE 3a (Cont.)

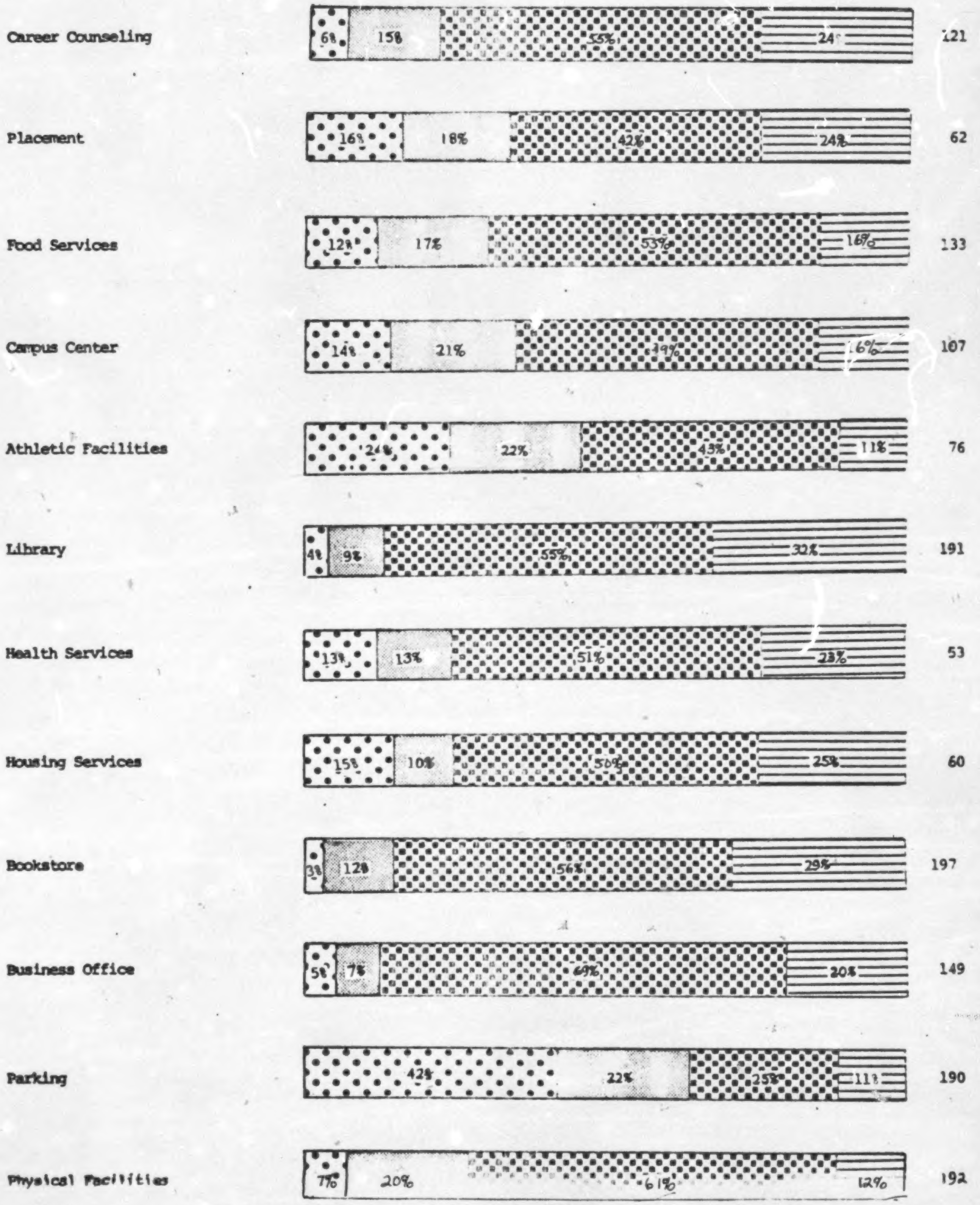

FIGURE 1b
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
HONOLULU COMMUNITY COLLEGE

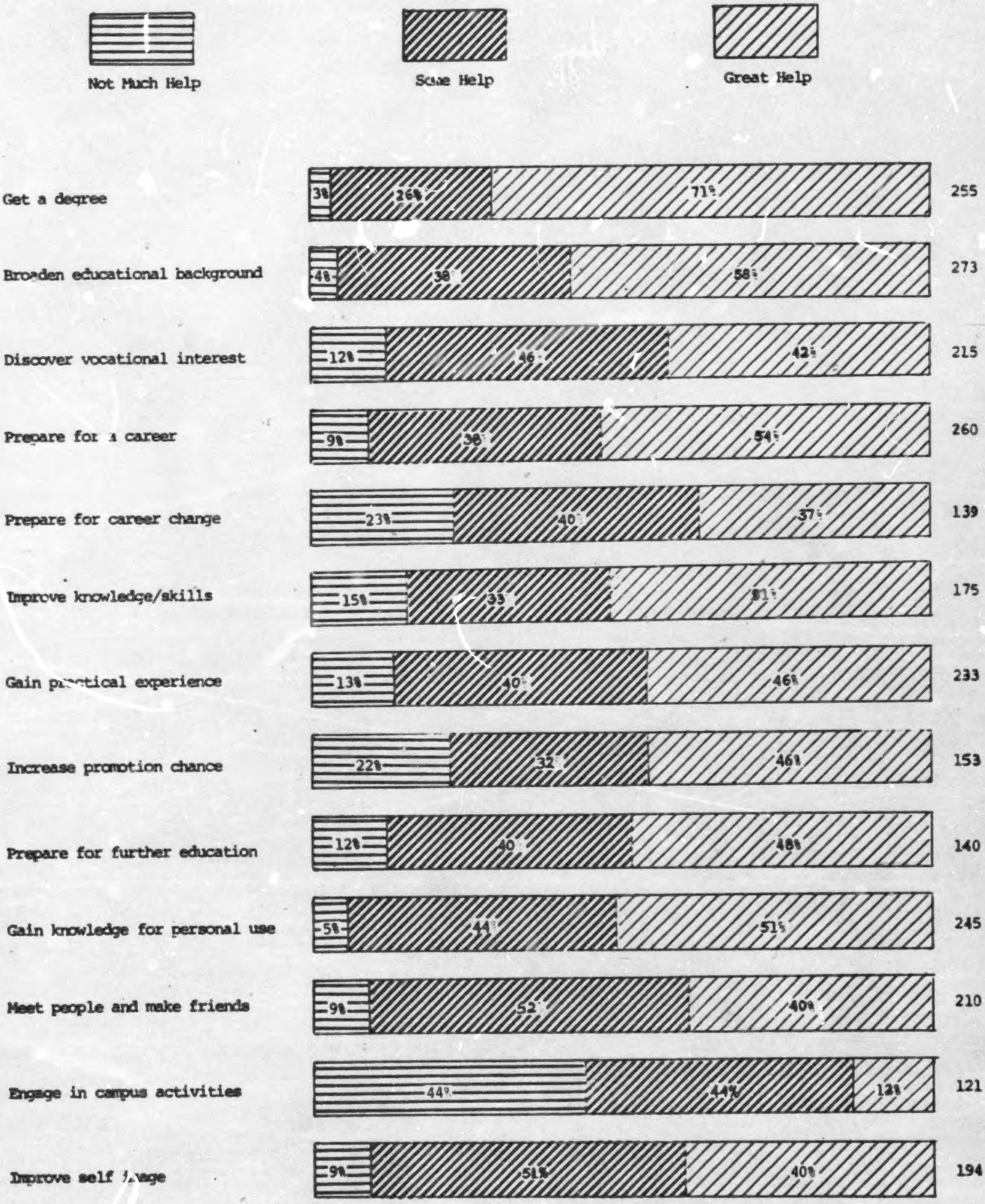

FIGURE 2b
EVALUATION OF COLLEGE EXPERIENCE
HONOLULU COMMUNITY COLLEGE

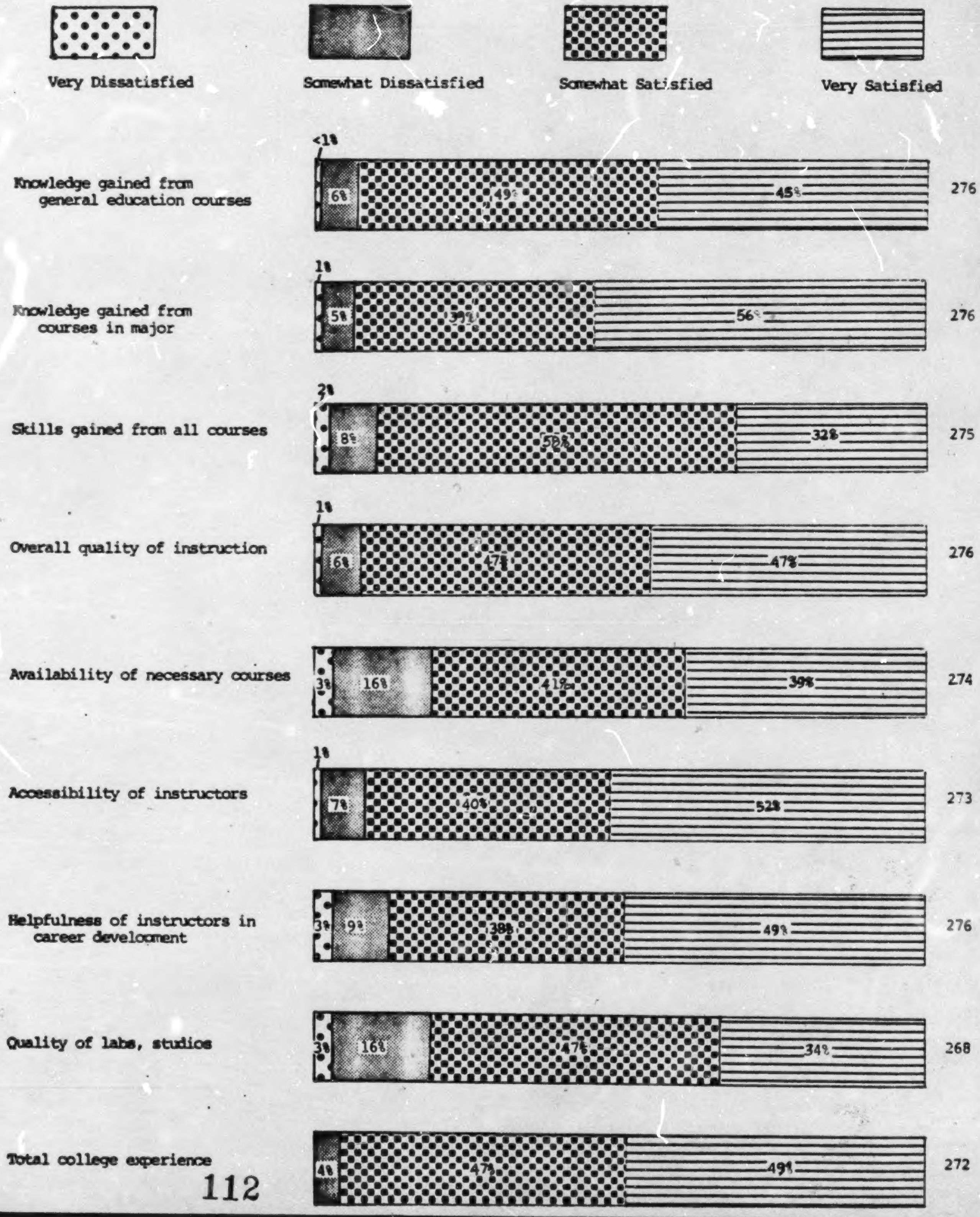

FIGURE [illegible]b
EVALUATION OF COLLEGE SERVICES
HONOLULU COMMUNITY COLLEGE

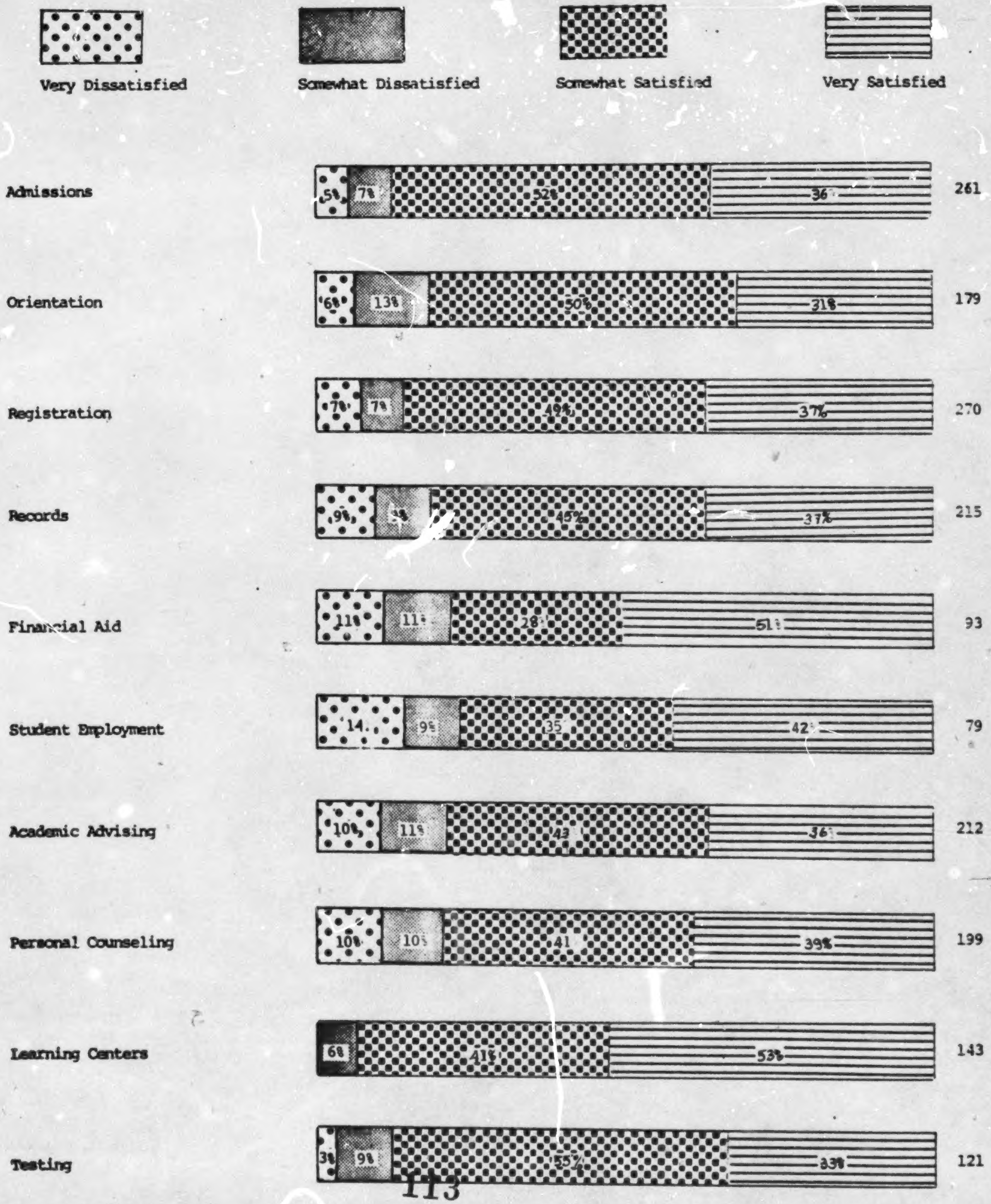

FIGURE 3b (Cont.)

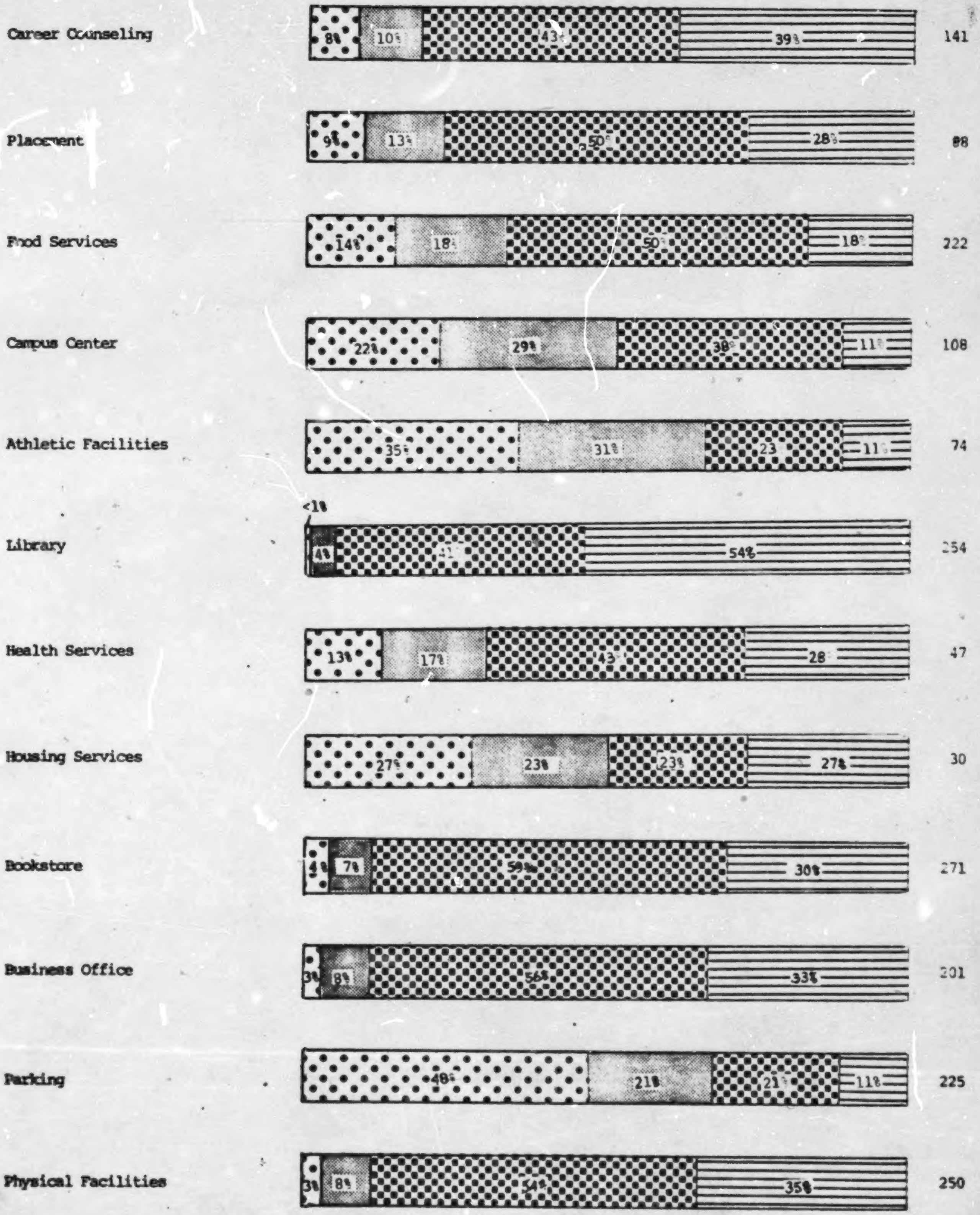

FIGURE 1c
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
KAPIOLANI COMMUNITY COLLEGE

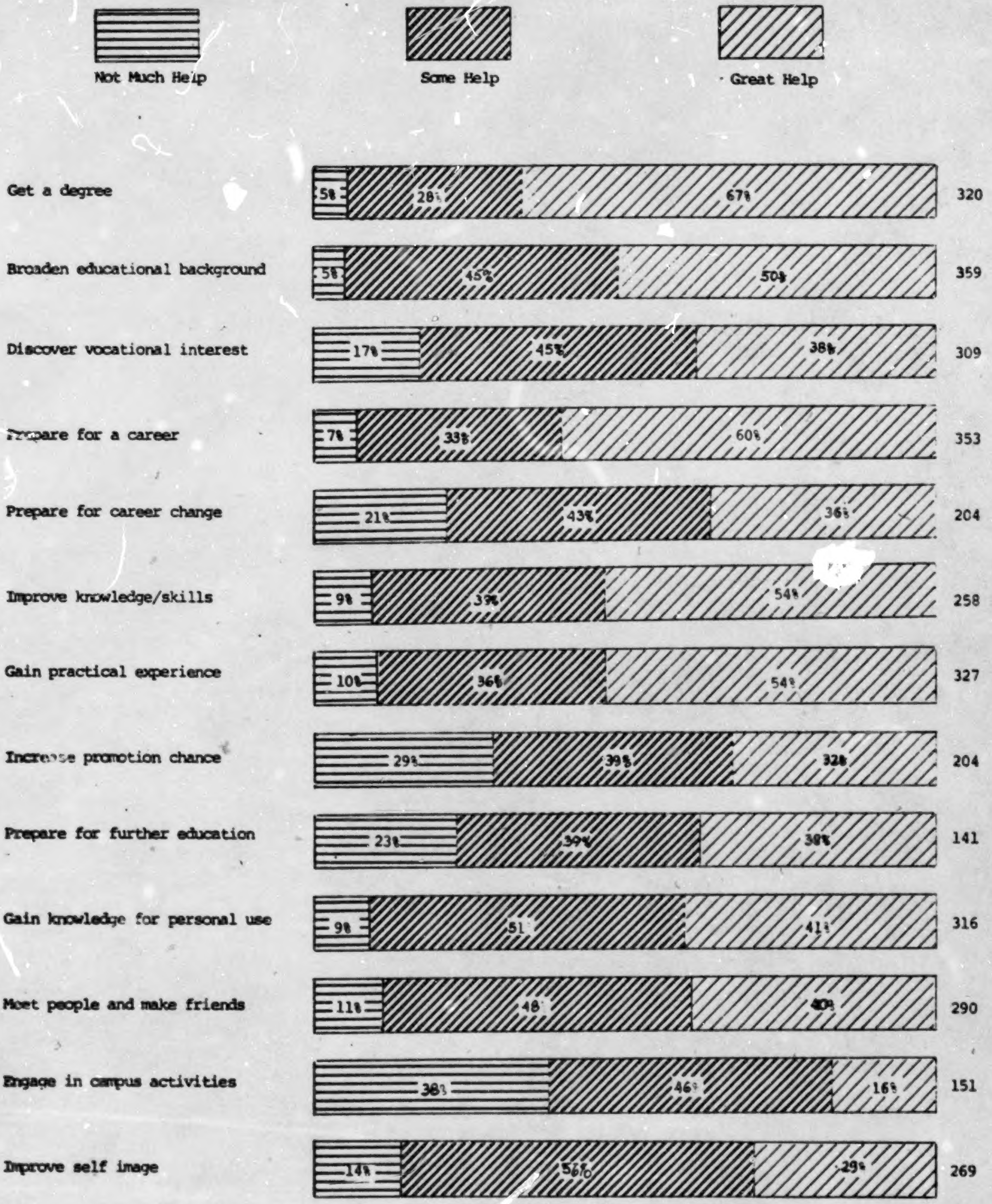

FIGURE 2c
EVALUATION OF COLLEGE EXPERIENCE
KAPIOLANI COMMUNITY COLLEGE

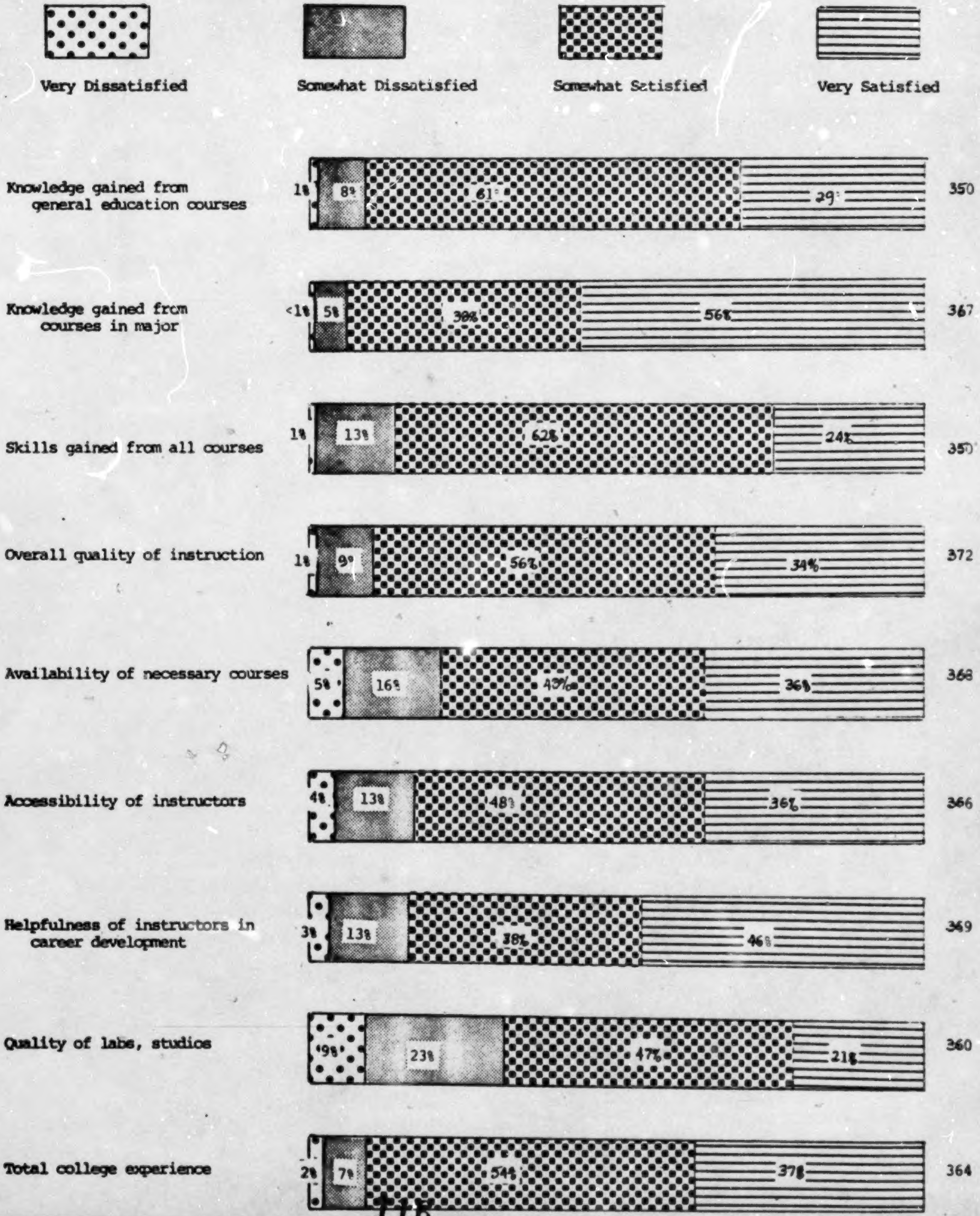

FIGURE 3c
EVALUATION OF COLLEGE SERVICES
KAPIOLANI COMMUNITY COLLEGE

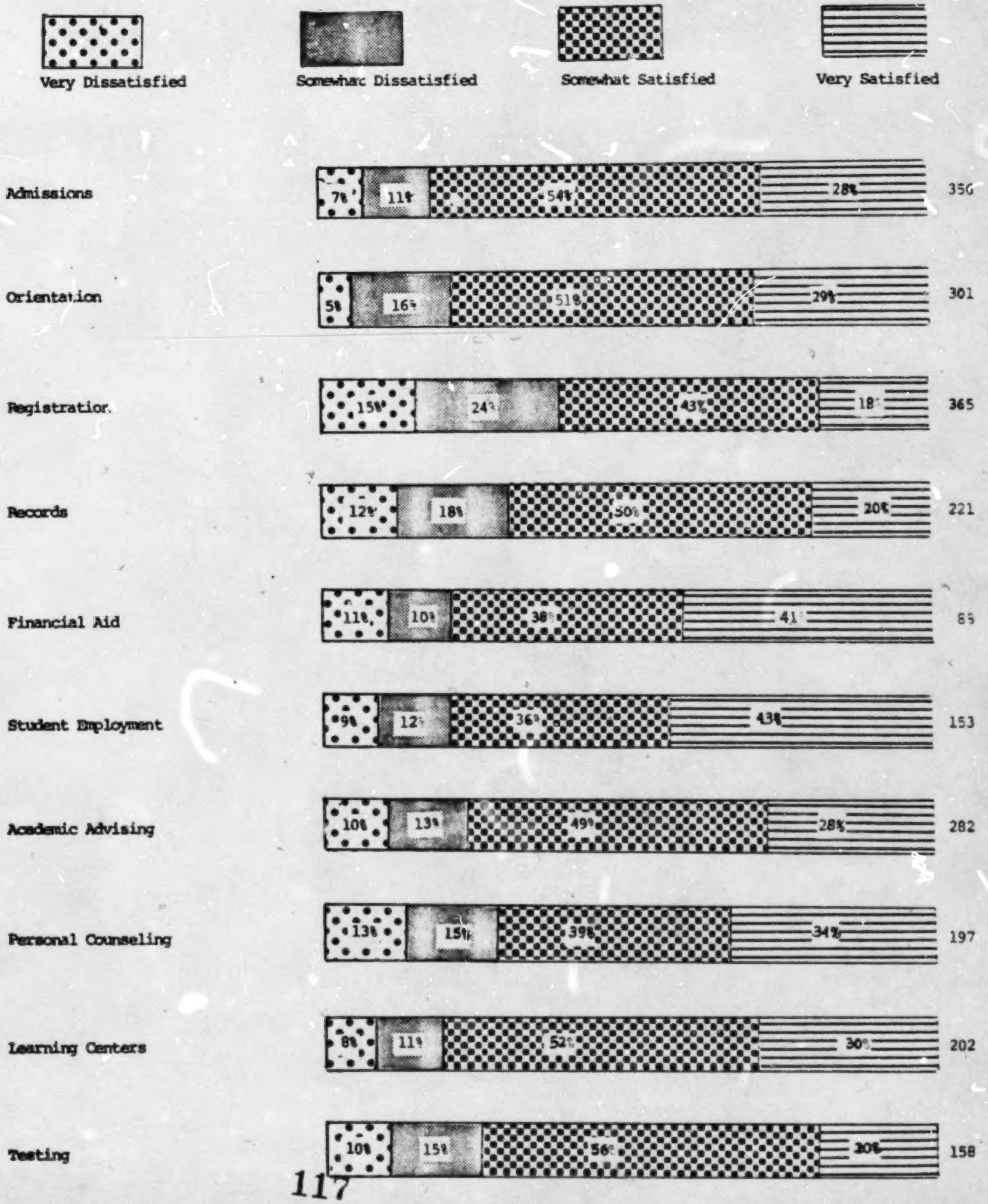

FIGURE 3c (Cont.)

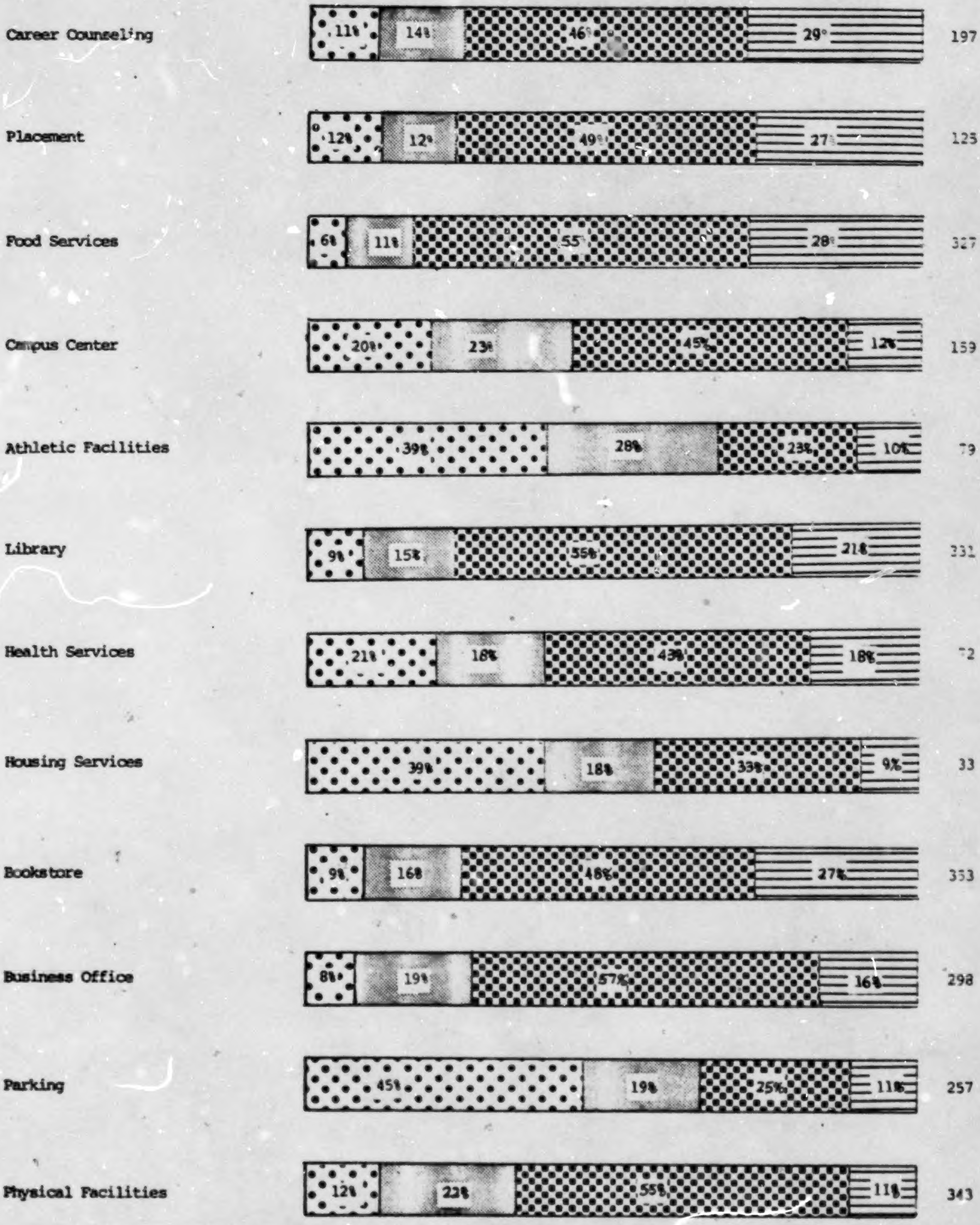

FIGURE 1d
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
KAUAI COMMUNITY COLLEGE

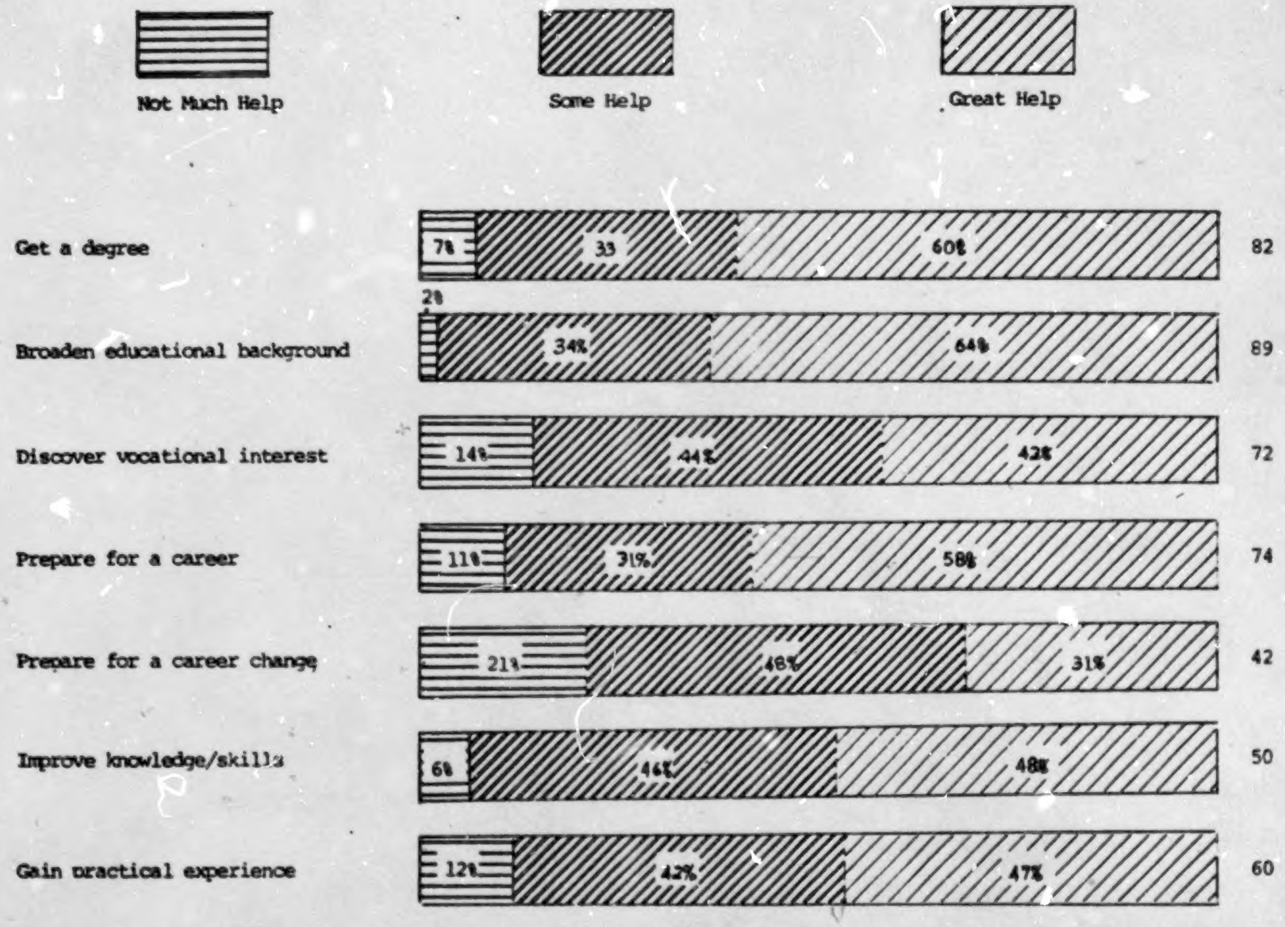

FIGURE 2d
EVALUATION OF COLLEGE EXPERIENCE
KAUAI COMMUNITY COLLEGE

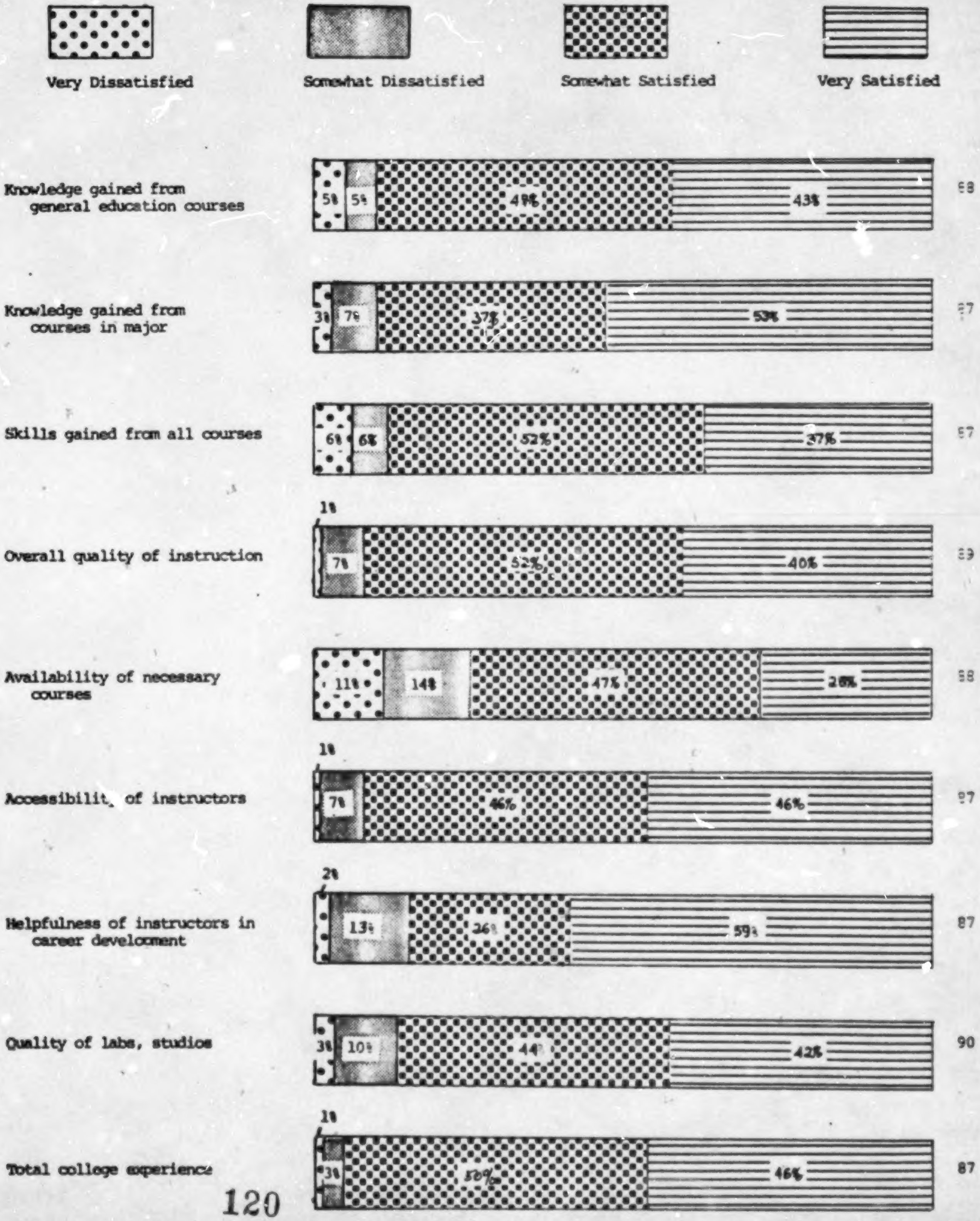

FIGURE 3d
EVALUATION OF COLLEGE SERVICES
KAUAI COMMUNITY COLLEGE

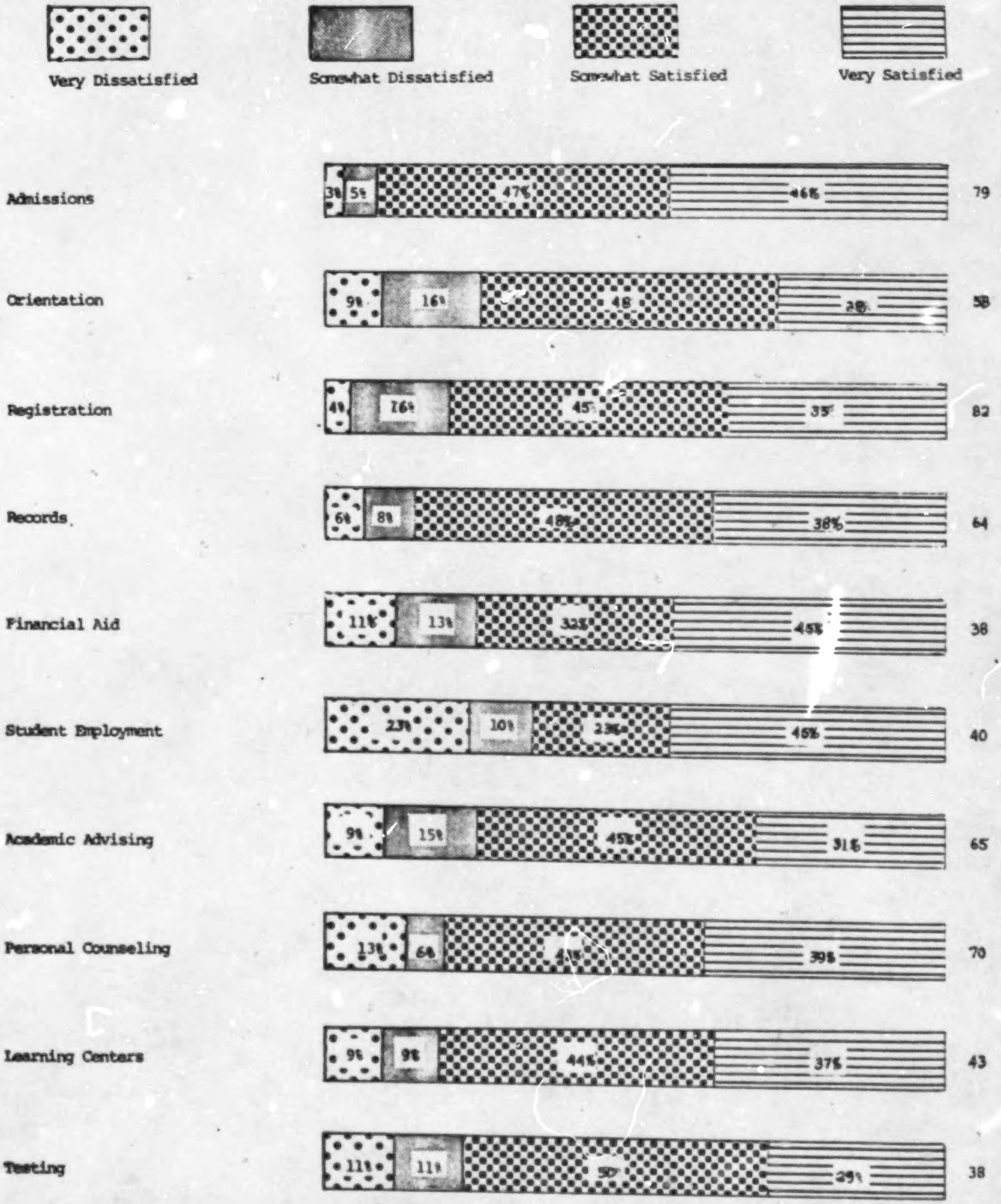

FIGURE 38 (Cont.)

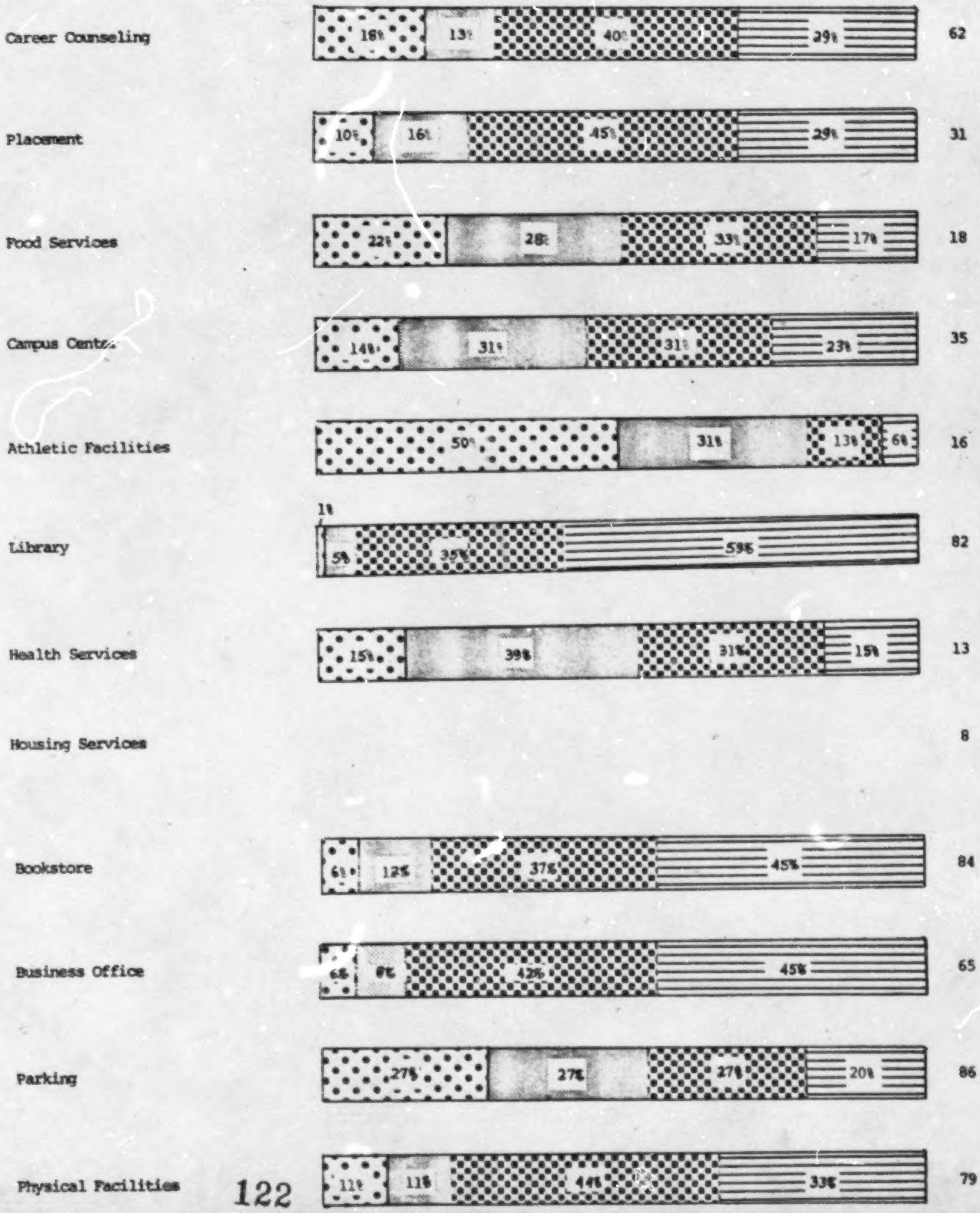

FIGURE 1e
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
LEEWARD COMMUNITY COLLEGE

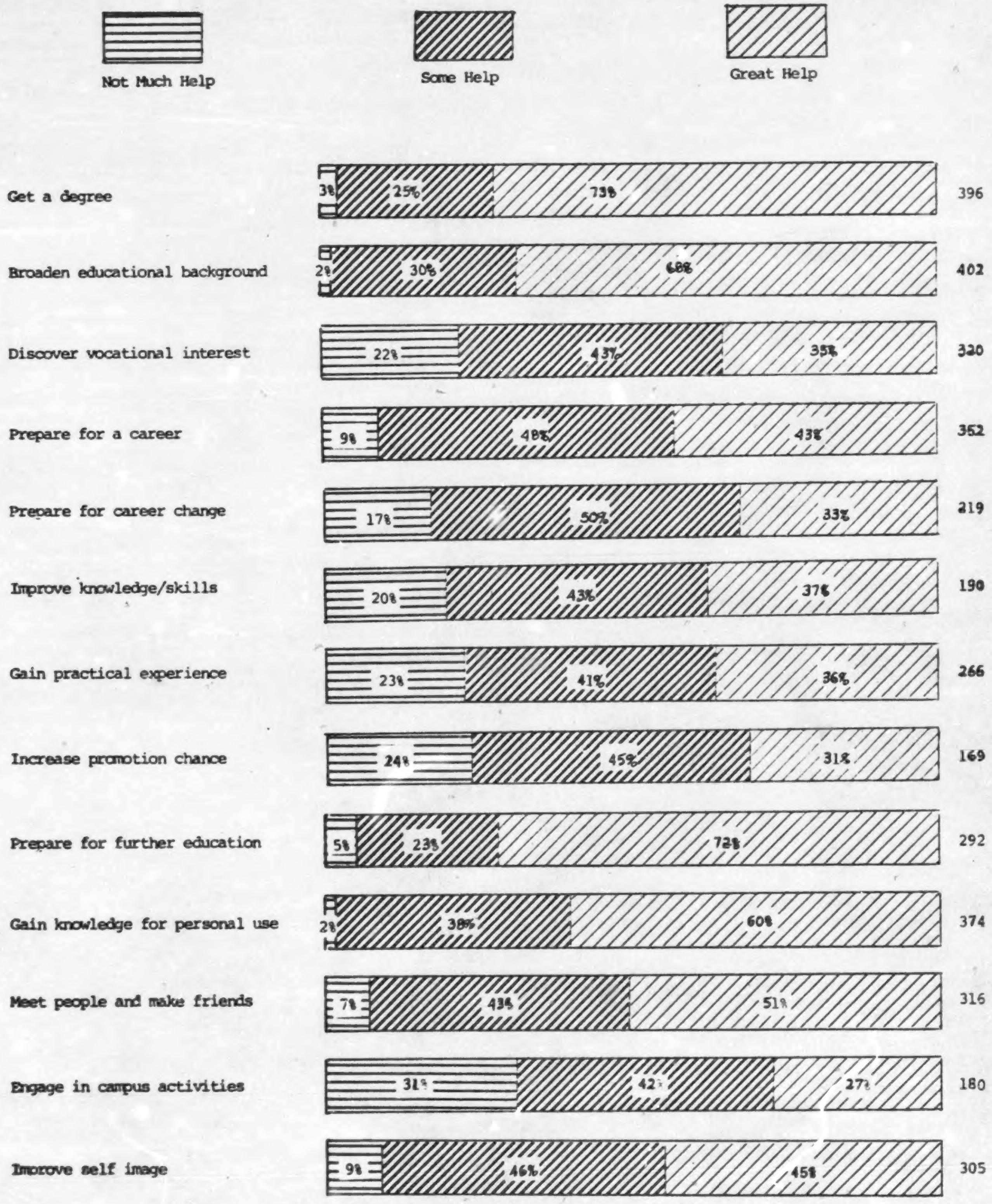

FIGURE 2e
EVALUATION OF COLLEGE EXPERIENCE
LEEWARD COMMUNITY COLLEGE

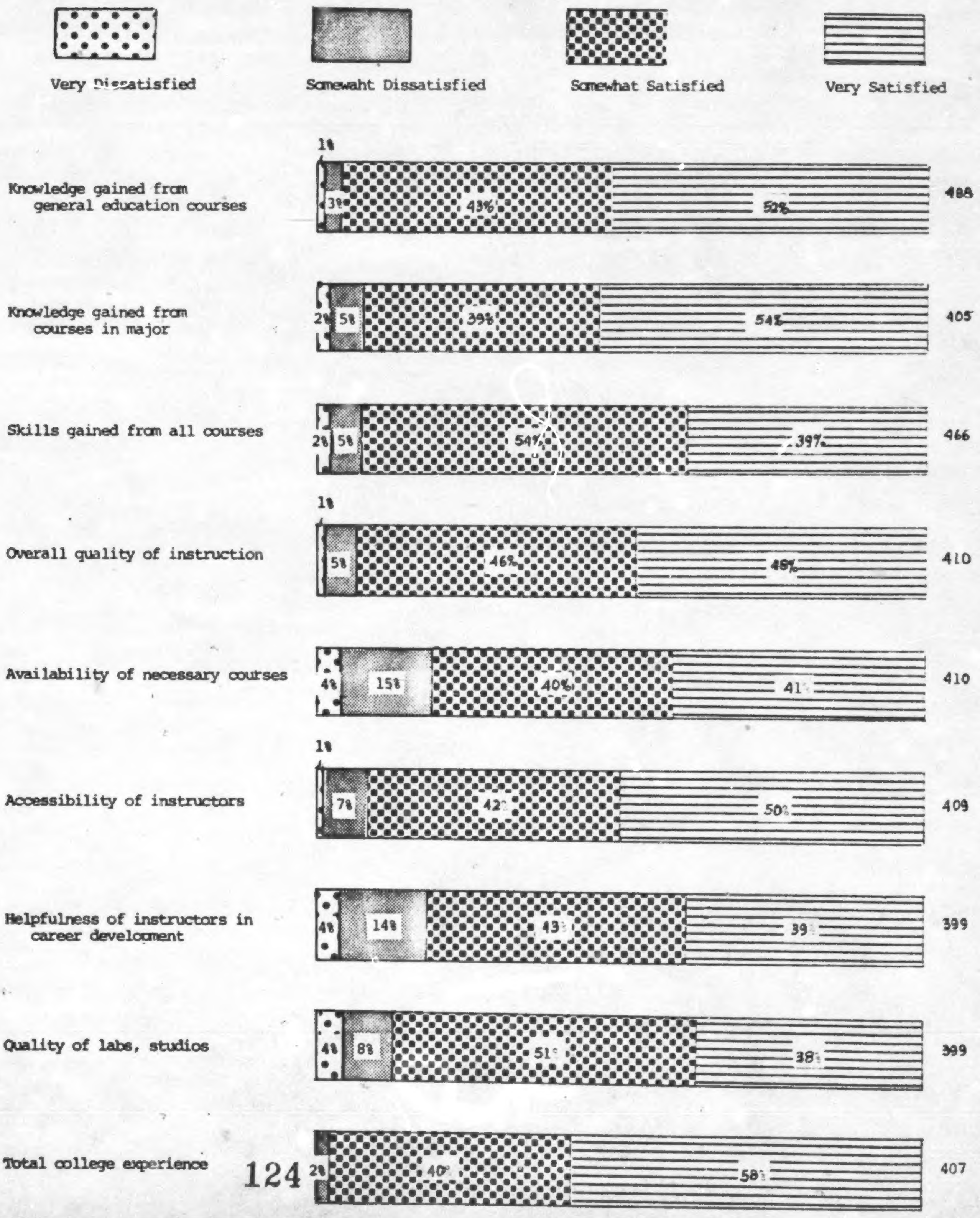

FIGURE 3e
EVALUATION OF COLLEGE SERVICES
LEEWARD COMMUNITY COLLEGE

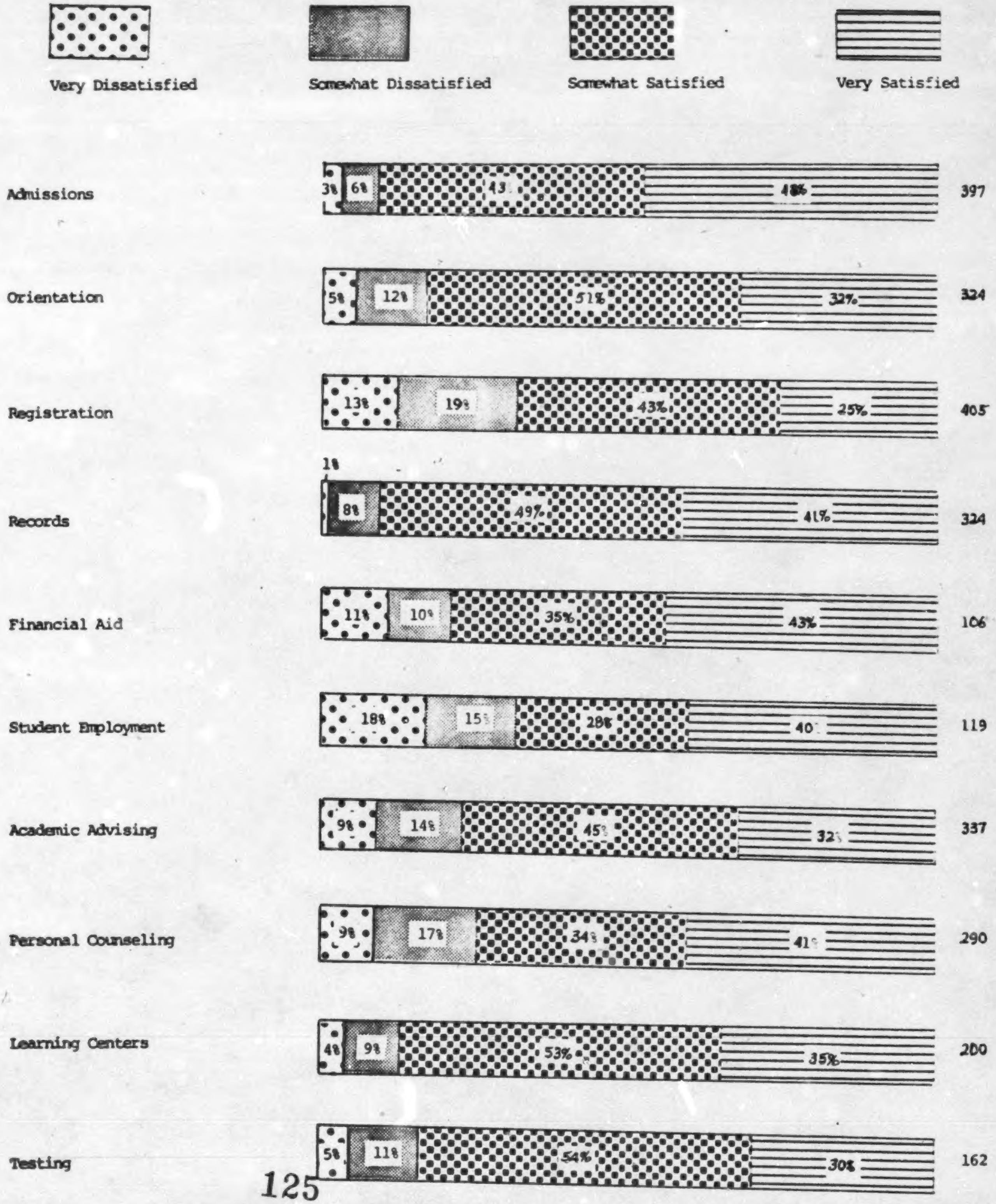

FIGURE 3e (Cont.)

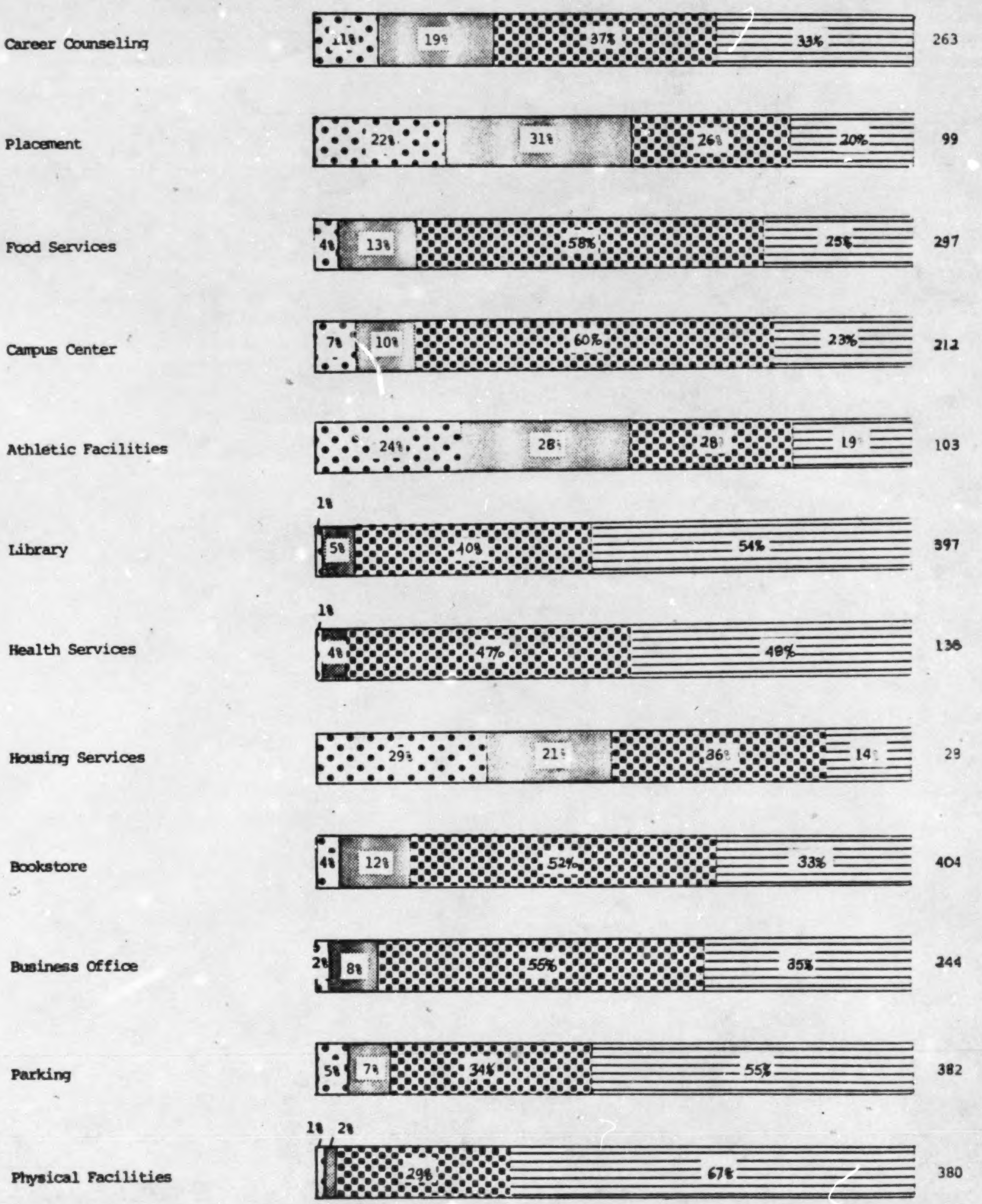

FIGURE 1f
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
MAUI COMMUNITY COLLEGE

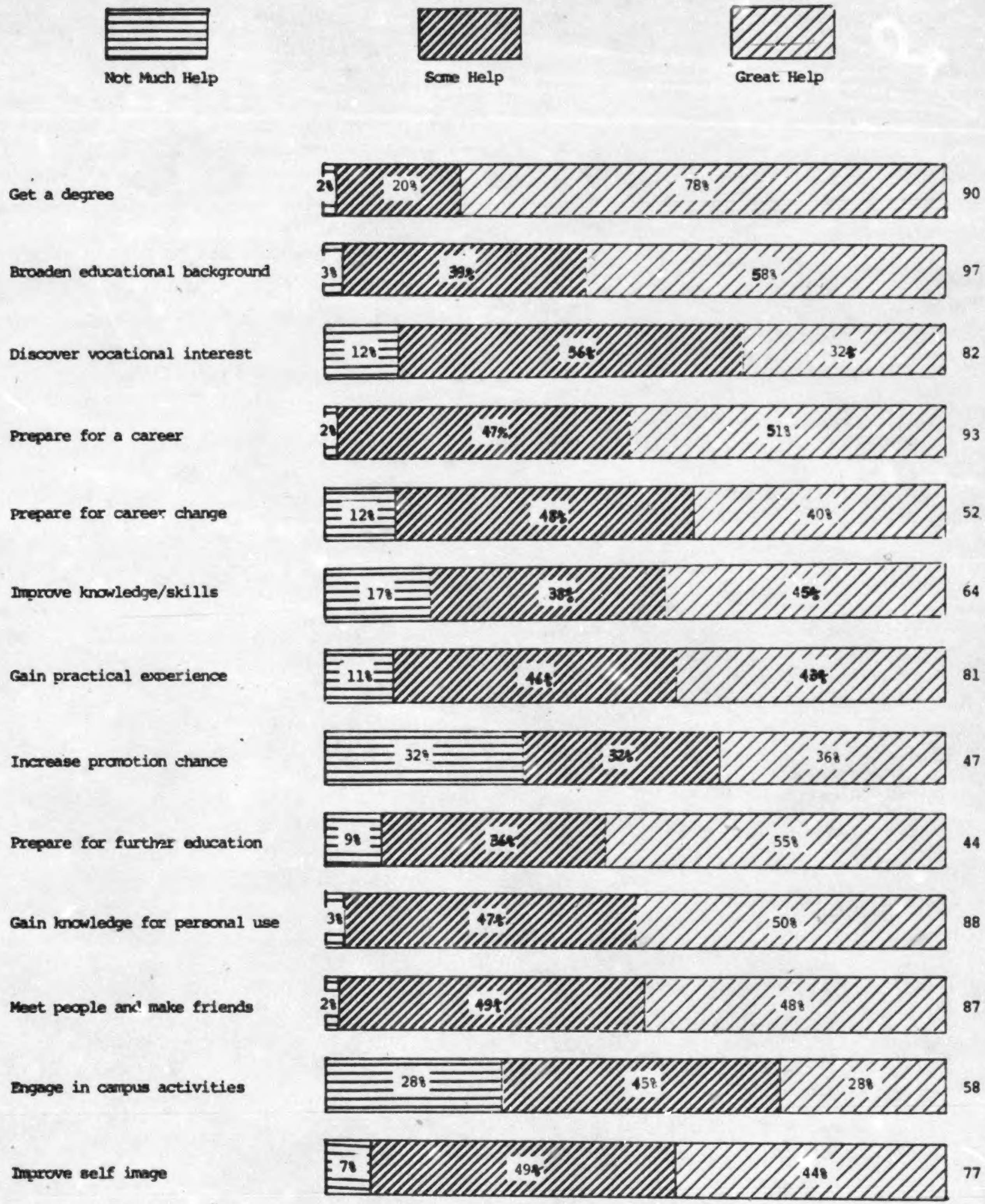

FIGURE 2f
EVALUATION OF COLLEGE EXPERIENCE
MAUI COMMUNITY COLLEGE

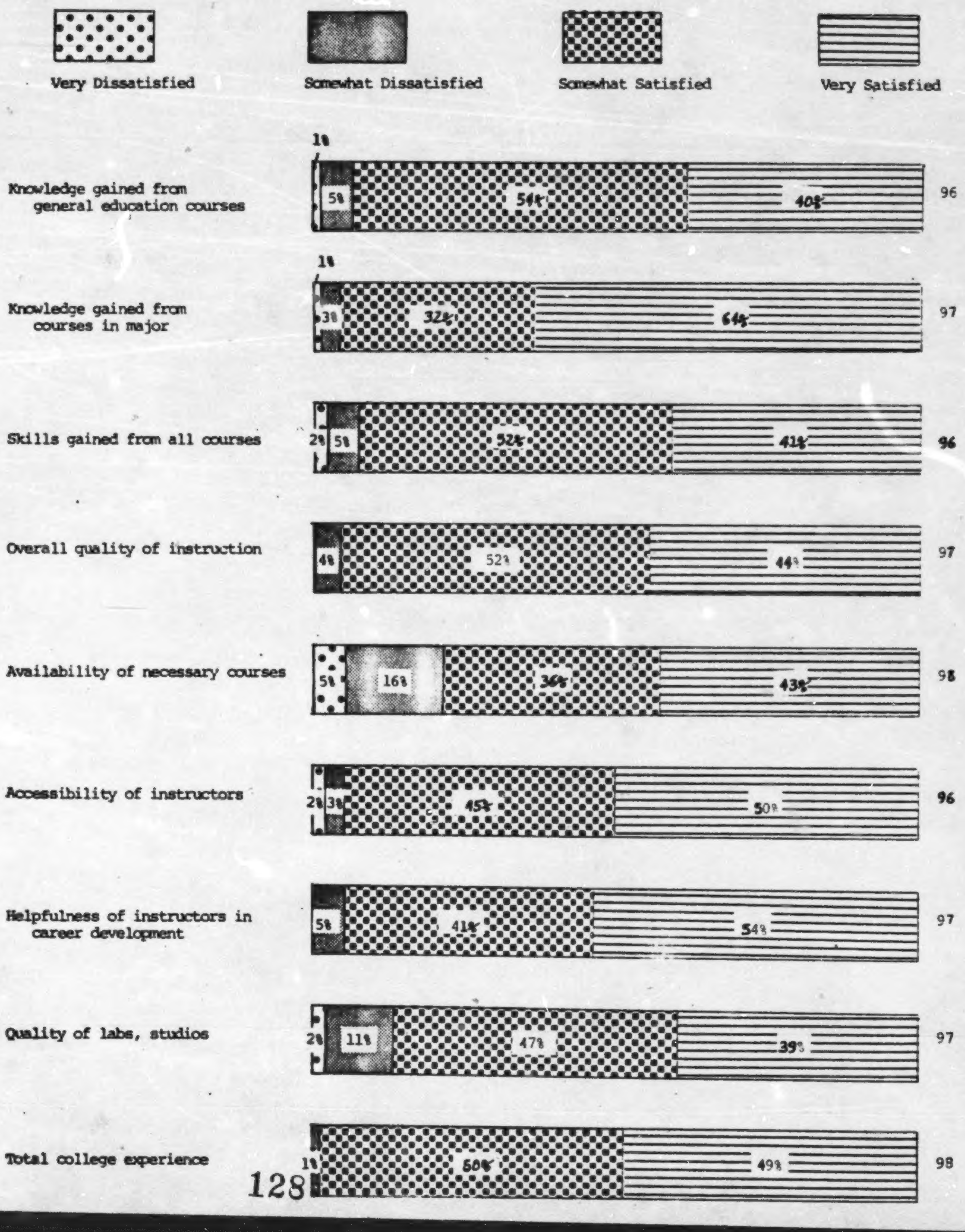

FIGURE 3f
EVALUATION OF COLLEGE EXPERIENCE
MAUI COMMUNITY COLLEGE

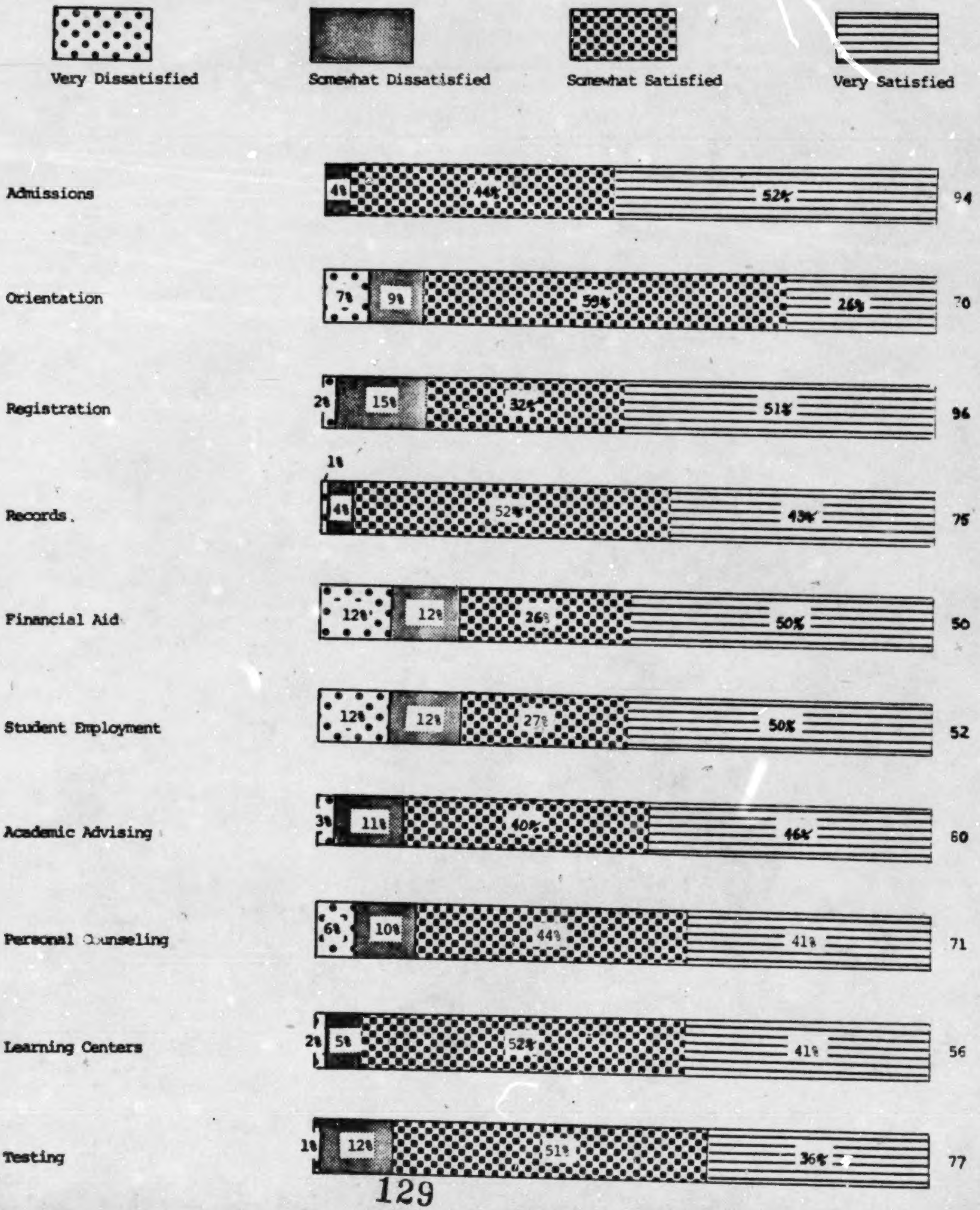

FIGURE 3f (Cont.)

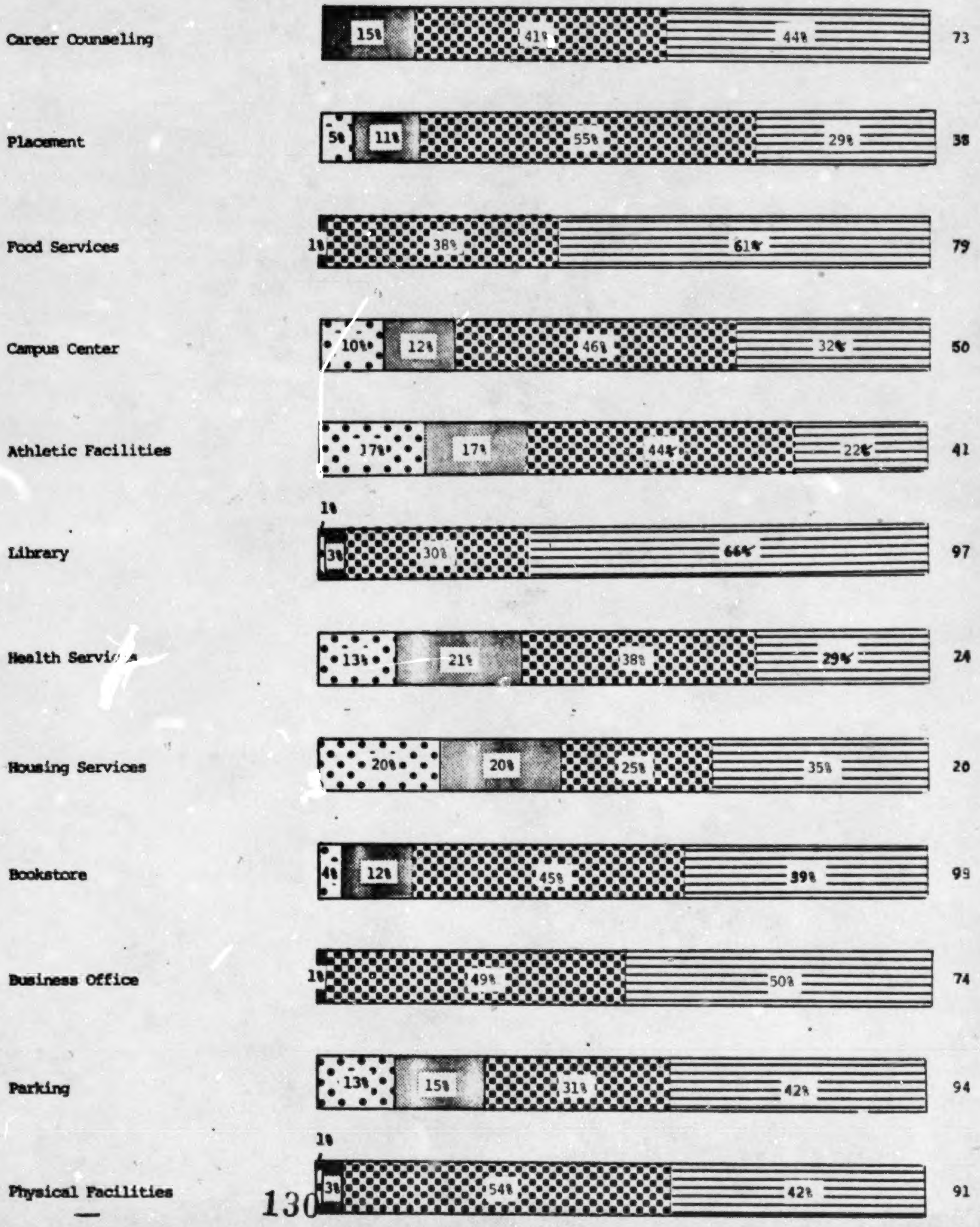

FIGURE 1g
HELPFULNESS OF CAMPUS IN ATTAINING STUDENT GOALS
WINDWARD COMMUNITY COLLEGE

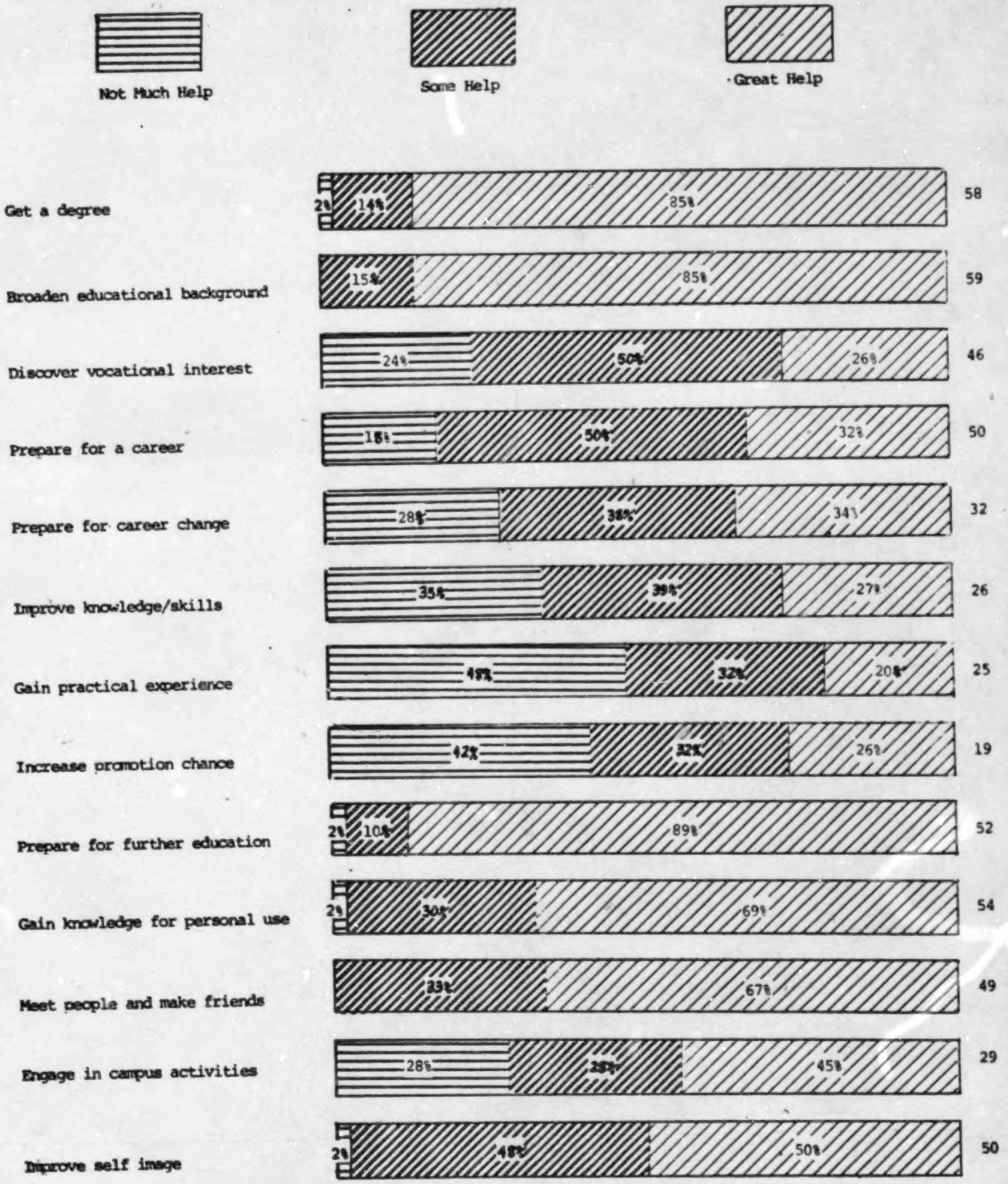

FIGURE 2g
EVALUATION OF COLLEGE EXPERIENCE
WINDWARD COMMUNITY COLLEGE

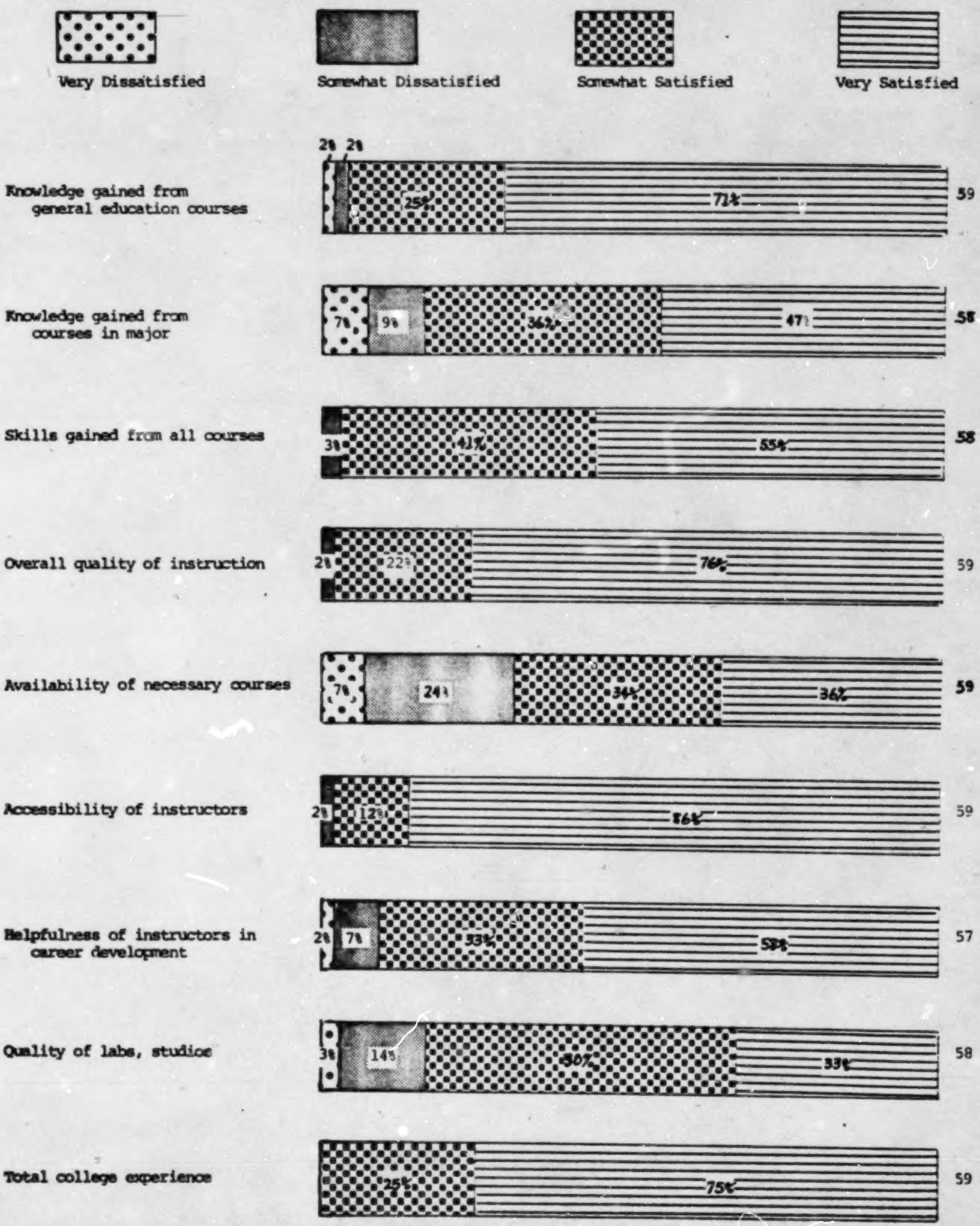

FIGURE 3g
EVALUATION OF COLLEGE SERVICES
WINDWARD COMMUNITY COLLEGE

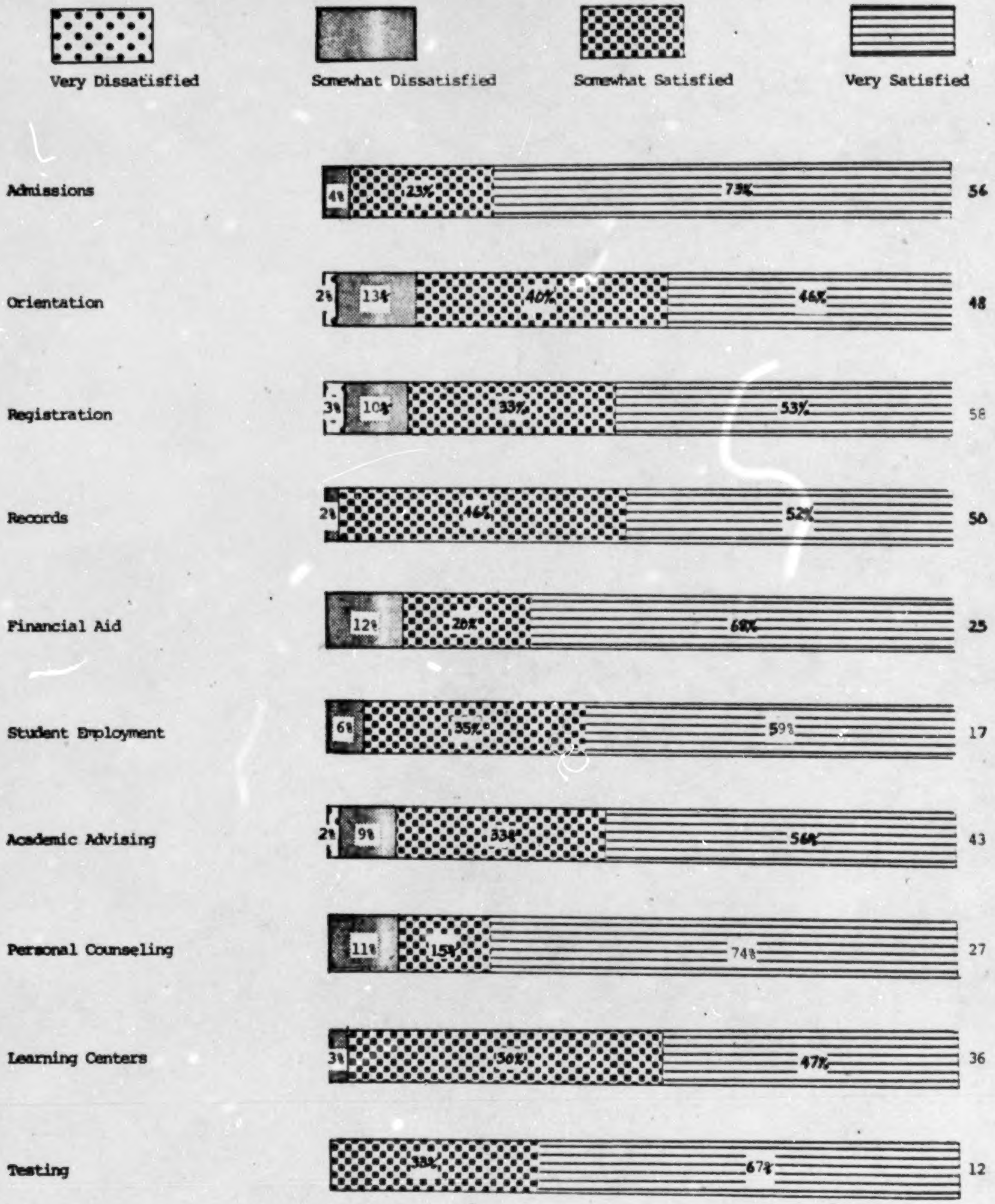

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Figure 3g (Cont.)